UTEX INDUSTRIES, INC.

Sheet Packing

C a t a l o g

UTEX INDUSTRIES, INC.
Taking Sealing Technology Beyond Tomorrow
ISO 9001 Certified

UTEX Offers You More...

UTEX sheet packing products

Headquarters - Houston, Texas

Manufacturing - Weimar, Texas

Houston Service Center

Applied Rubber - Conroe, Texas

Odessa Service Center

Manufacturing - San Benito, Texas

AccuSeal-A Division Of UTEX Industries, Inc. - Houston, Texas

UTEX Industries, Inc. has been a leader in the fluid sealing industry since 1940. We began as a gasket cutter and general line distributor, and in the early 1940's started manufacturing molded rubber packings for pumps and valves. Today we are a full line manufacturer of a wide range of fluid sealing products marketed worldwide to every industry.

Sheet packing products have long been a staple for UTEX Industries. We sell sheet packing to gasket cutters, as well as in compression packing sets in the form of spacers or as high pressure back-ups. We have our own die-making capabilities to furnish pre-cut gaskets of all materials.

Our material selection includes styles to seal air, water, hydrocarbons, gases, and many harsh chemicals. We also offer a wide range of insulating materials for noise, vibration, and high temperatures.

When you need sheet packing products, think of UTEX for the broadest selection available to satisfy all your sealing and insulating needs.

49 Styles to Choose From UTEX

UTEX

Non-asbestos Compressed Sheet Packing

Style 1123

A non-asbestos general purpose sheet packing composed of synthetic fibers held together with a SBR rubber binder.

Applications

Recommended for gasket and other static applications. Also recommended for gases, water, inorganic salt solutions, brake fluid, and alcohol applications, and many other general services.

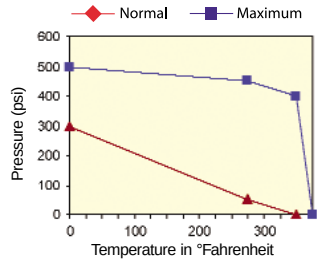
Availability

60" x 60" (152 x 152 cm) and 60" x 120" (152 x 305 cm) sheets with 1/32" (.79 mm), 1/16" (1.59 mm), and 1/8" (3.18 mm) thicknesses. Other sizes are available on request.

Approximate weight: 15.44 lbs (7 kgs) based on a 60" x 60" (152 x 152 cm) x 1/16" (1.59 mm) sheet.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	450°F (232°C)
PRESSURE, MAXIMUM	400 psi; (27.6 bar); (2.76 MPa); (28.1 kg/cm^2)
TENSILE STRENGTH (across grain) (ASTM F152)	1100 psi; (7.6 MPa) Typical
DENSITY	112.4 lbs/ft^3 (1.8 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 12
BOLT TORQUE	
"M" Gasket Factor	3.5 for 1/32" (.79 mm), 2.75 for 1/16" (1.59 mm), 2 for 1/8" (3.18 mm).
"Y" Gasket Factor	6500 psi (44.8 MPa) for 1/32" (.79 mm), 3700 psi (25.5 MPa) for 1/16" (1.59 mm), 1600 psi (11 MPa) for 1/8" (3.18 mm).



This P & T graph shown indicates the service limits for this sheet considering pressure and temperature simultaneously. (Tests were performed with nitrogen on 1.6 mm thick sheet). The "normal " curve represents the common usage area for this sheet while the "maximum" curve indicates the maximum limits. For applications near or above the "maximum" curve, contact UTEX.

Style 1125

General purpose sheet, green in color, composed of chemical and heat resistant synthetic fibers bonded together with a nitrile rubber binder.

Applications

Recommended for gasket and other static applications. Excellent anti-shock properties and resistance to wet steam. Suitable for ammonia, acetic acid, gases, water, fuels, benzene, mild acids, Freon 12 & 22, ethylene glycol, hydrocarbons, oils and greases, sea water, alcohols, vinyl acetate, xylene, heat transfer oils, and many other applications.

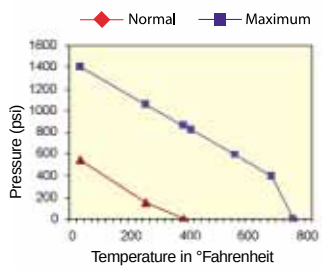
Availability

60" x 60" (152 x 152 cm) and 60" x 120" (152 x 305 cm) sheets in 1/64" (.4 mm), 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), and 1/8" (3.18 mm) thicknesses. Other sizes are available on request.

Approximate weight: 14.6 lbs (6.6 kgs) based on a 60" x 60" (152 x 152 cm) x 1/16" (1.59 mm) sheet.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	750°F (400°C)
PRESSURE, MAXIMUM	1400 psi; (96.5 bar); (9.65 MPa); (98.4 kg/cm^2)
TENSILE STRENGTH (across grain)(ASTM F152)	1740 psi; (12 MPa) Typical
DENSITY	112 lbs/ft^3 (1.8 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 12
BOLT TORQUE	
"M" Gasket Factor	4.0 for 1/16" (1.59 mm) and below 5.0 for thicknesses over 1/16" (1.59 mm)
"Y" Gasket Factor	5800 psi (40 MPa) for 1/16" (1.59 mm) and below 6500 psi (44.8 MPa) for thicknesses over 1/16" (1.59 mm)



This P & T graph shown indicates the service limits for this sheet considering pressure and temperature simultaneously. (Tests were performed with nitrogen on 1.6 mm thick sheet). The "normal " curve represents the common usage area for this sheet while the "maximum" curve indicates the maximum limits. For applications near or above the "maximum" curve, contact UTEX.

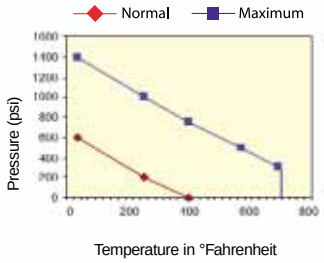
Non-asbestos Compressed Sheet Packing

UTEX

Style 1128

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	750°F (400°C)
PRESSURE, MAXIMUM	1400 psi; (96.5 bar); (9.65 MPa); (98.4 kg/cm²)
TENSILE STRENGTH (across grain)(ASTM F152)	3000 psi; (20.7 MPa) Typical
DENSITY	131 lbs/ft³ (2.1 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 12
BOLT TORQUE	
"M" Gasket Factor	2.0 for 1/32" (.79 mm) and below 3.0 for 1/16" (1.59 mm) and below 5.0 for 1/8" (3.18 mm) and below
"Y" Gasket Factor	6000 psi (41.4 MPa) for 1/32" and below 6500 psi (44.8 MPa) for thicknesses over 1/16" (1.59 mm) 8400 psi (57.9 MPa) for 1/8" sheet and below

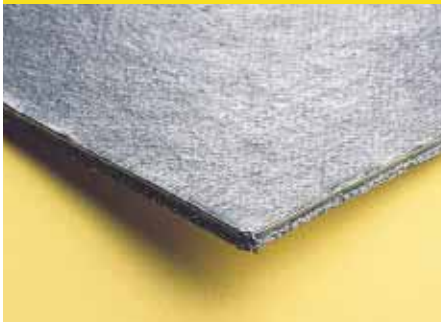


This P & T graph shown indicates the service limits for this sheet considering pressure and temperature simultaneously. (Tests were performed with nitrogen on 1.6 mm thick sheet). The "normal " curve represents the common usage area for this sheet while the "maximum" curve indicates the maximum limits. For applications near or above the "maximum" curve, contact UTEX.

Top quality close mesh, mild steel wire-reinforced non-asbestos material for severe conditions. Utilizes a nitrile rubber binder and is graphited on one side to produce a black colored sheet. Also resilient to fluctuating temperature and pressure.

Applications

Recommended for gasket and other static applications. Recommended for ammonia, gases, water, steam, inorganic salt solutions, mild acids, alkalies, hydrocarbons, oils and greases, alcohols, ethers, and heat transfer oils, and many other applications.



Availability

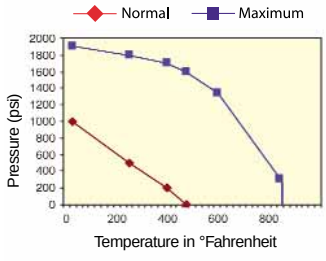
60" x 60" (152 x 152 cm) and 60" x 120" (152 x 305 cm) sheets with 1/64" (.4 mm), 1/32" (.79 mm), 1/16" (1.59 mm), 3/32", (2.38 mm), and 1/8" (3.18 mm) thicknesses.

Approximate weight: 17 lbs. (7.7 kgs) based on a 60" x 60" (152 x 152 cm) x 1/16" (1.59 mm) sheet.

Style 1137

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	850°F (454°C)
PRESSURE, MAXIMUM	2000 psi; (138 bar); (13.8 MPa); (140.6 kg/cm²)
TENSILE STRENGTH (across grain)(ASTM F152)	2400 psi (16.6 MPa) Typical
DENSITY	87 lbs/ft³ (1.4 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 12
BOLT TORQUE	
"M" Gasket Factor	4.0 for 1/16" (1.59 mm) and below 5.0 for thicknesses over 1/16" (1.59 mm)
"Y" Gasket Factor	5800 psi (40 MPa) for 1/16" (1.59 mm) and below 6500 psi (44.8 MPa) for thicknesses over 1/16" (1.59 mm)



This P & T graph shown indicates the service limits for this sheet considering pressure and temperature simultaneously. (Tests were performed with nitrogen on 1.6 mm thick sheet). The "normal " curve represents the common usage area for this sheet while the "maximum" curve indicates the maximum limits. For applications near or above the "maximum" curve, contact UTEX.

Composed of carbon fibers which are held together by a nitrile rubber binder. Black in color and good for steam service.

Applications

Recommended for gasket and other static applications, especially for steam service. Recommended for ammonia, gases, water, steam, inorganic salt solutions, mild acids, alkalies, hydrocarbons, oils and greases, sea water, alcohols, ethers, and heat transfer oils, and many other applications.

Availability

60" x 60" (152 x 152 cm) and 60" x 120" (152 x 305cm) sheets with 1/64" (.4 mm), 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), and 1/8" (3.18 mm) thicknesses. Other sizes available on request.

Approximate weight: 11.3 lbs (5.1 kgs) based on a 60" x 60" (152 x 152 cm) x 1/16" (1.59 mm).

Style 1126

Fiberglass and proprietary fiber fabric with a tacky natural rubber coating and .007" (.18 mm) diameter brass wire insertion.

Applications

Recommended for use as hand hole, manhole, or tadpole gaskets, fire doors, access doors, and static boiler and door applications, especially where steam is present. Suitable for low pressure steam, water, and other general services. Not suitable for ozone or UV light exposure.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	400°F (204°C)
PRESSURE, MAXIMUM	180 psi; (12.4 bar); (1.24 MPa); (12.7 kg/cm²) (In Steam Service)
DENSITY	96 lbs/ft³ (1.54 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	2 to 10
BOLT TORQUE	
"M" Gasket Factor	2.25 for all thicknesses
"Y" Gasket Factor	2200 psi (151.7 bar) for all thicknesses

Availability

40" (101.6 cm) wide continuous lengths (up to 50 yards) (45.7 m) with 1/16" (1.59 mm) thickness. Other thicknesses may be obtained by laminating one or more sheets.

Approximate weight: 5 lbs/yd (2.5 kg/m) based on 1/16" (1.59 mm) thickness.

Style 1127

Light duty fiberglass fabric with a tacky natural rubber coating to provide adhesion during installation.

Applications

Recommended for use as hand hole, manhole, or tadpole gaskets, fire doors, access doors, and static boiler and door applications, especially where steam is present. Suitable for low pressure steam, water, and other general services. Not suitable for ozone or UV light exposure and hydrofluoric or hot phosphoric acid.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	400°F (204°C)
PRESSURE, MAXIMUM	100 psi; (6.89 bar); (.69 MPa); (7.03 kg/cm²) (In Steam Service)
DENSITY	96 lbs/ft³ (1.54 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 9
BOLT TORQUE	
"M" Gasket Factor	2.25 for all thicknesses
"Y" Gasket Factor	2200 psi (151.7 bar) for all thicknesses

Availability

40" (101.6 cm) wide continuous lengths (up to 50 yards) (45.7 m) with 1/16" (1.59 mm) thickness. Other thicknesses may be obtained by laminating one or more sheets. Also available in tape form with 1" (25.4 mm), 2" (50.8 mm), 4" (101.6 mm), and 6" (152.4 mm) widths and length to be specified up to 50 yards (45.7 m).

Approximate weight: 5 lbs/yd (2.5 kg/m) based on 1/16" (1.59 mm) thickness.

Style 1139

Made from high purity washed silica-alumina ceramic fiber wherein a large portion of the unfiberized particles are removed prior to lay-up. The washing of the fiber gives a great uniformity to the structure while reducing weight and improving thermal resistance.

Applications

Recommended for fire protection, thermal insulation, transfer line protection, welding and brazing protection, high temperature gaskets, and other high temperature, static applications. Suitable for water, steam, oils, hydrocarbons, most chemicals, and other general services. Not suitable for hydrofluoric and phosphoric acids, and concentrated alkalies.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	2300°F (1260°C)
PRESSURE, MAXIMUM	150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm²)
DENSITY	10 lbs/ft³ (.16 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 13
BOLT TORQUE	
"M" Gasket Factor	1.75 for all thicknesses
"Y" Gasket Factor	1100 psi (7.6 MPa) for all thicknesses

Availability

12" (30.5 cm), 24" (61cm), and 48" (122 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), 1/16" (1.59 mm), and 1/8" (3.18 mm) sheet.

Approximate weight: 2.5 lbs (1.13 kgs) based on a 24" (61 cm) x 24" (61 cm) x 1/16" (1.59 mm) sheet.

UTEX

PERFORMANCE DATA

TEMPERATURE	
Continuous service, maximum	1000°F (540°C)
Intermittent flame, maximum	1800°F (982°C)
pH RANGE AT AMBIENT TEMPERATURE	3 to 13

Availability
.110 inch (2.8mm) thickness by 40 inch (101.6 cm) widths with lengths to be specified.

Style 1142

A heavy duty glass fabric, constructed with two plys to enhance abrasion resistance, tensile strength, and heat resistance. Both sides of the fabric are coated with a special high temperature vermiculite (hydrated metallic silicate) film to add high temperature flame resistance.

Applications

Recommended for thermal insulation, flame and heat barriers, and other high temperature insulation applications. Resistant to most chemicals except hydrofluoric and hot phosphoric acids and hydrogen chloride.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	1000°F (540°C)
pH RANGE AT AMBIENT TEMPERATURE	3 to 13

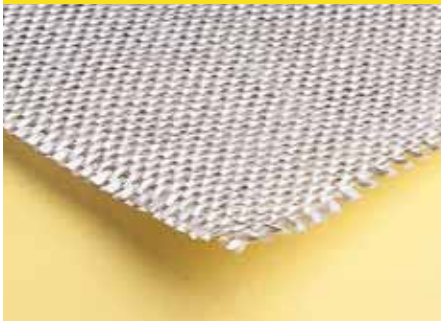
Availability
.020 inch (0.50 mm) thickness by 48 inch (121.0 cm) widths with lengths to be specified.

Style 1143

A light duty glass fabric that has been heat treated to reduce smoke emissions during service.

Applications

Recommended for lagging cloth, marine and industrial use, and light weight curtain materials. Resistant to most chemicals except hydrofluoric and hot phosphoric acids and hydrogen chloride.



PERFORMANCE DATA

TEMPERATURE, MAXIMUM	1000°F (540°C)
pH RANGE AT AMBIENT TEMPERATURE	3 to 13

Availability
0.040 inch (1.02 mm) thickness by 40 inch (101.6 cm) widths with lengths to be specified.

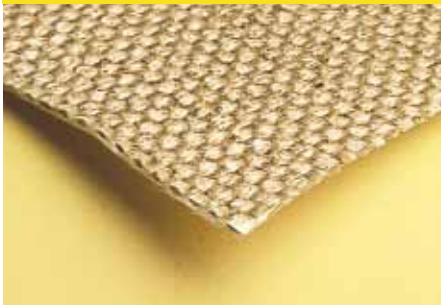
Approximate weight: 26 oz/yd^2 (882 gm/m^2) Typical

Style 1144

Medium duty glass fabric that has been heat treated to reduce smoke emissions during service.

Applications

Recommended for thermal insulation, flame and heat barriers, pad fabrics, flange and valve covers, and other high temperature applications. Resistant to most chemicals except hydrofluoric and hot phosphoric acids and hydrogen chloride. It has excellent solvent and age resistance.



Style 1145

Alumina-silica ceramic cloth with an inconel® wire insert to enhance the strength of the fabric. Heat treated to remove all traces of organic processing fibers.

Applications

Recommended for thermal insulation, flame and heat barriers, and other high temperature insulation applications, as well as jacket and wrapping material. Resistant to most chemicals except hydrofluoric and phosphoric acids and concentrated alkalies.

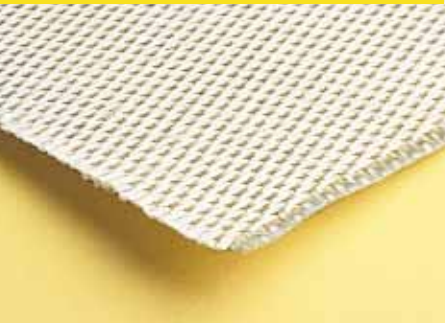
PERFORMANCE DATA

TEMPERATURE	
Ceramic fiber, maximum	2300°F (1260°C)
Inconel® wire, maximum	2000°F (1093°C)
pH RANGE AT AMBIENT TEMPERATURE	3 to 13

Availability

.125 inch (3.2 mm) thickness by 36 inch (914 mm) widths.

Style 1146



Premium weight quality 94% silica-quartz filament ceramic fabric.

Applications

Recommended for thermal insulation, flame and heat barriers, pad fabrics, valve and generator covers, curtains, damage control cloth, and other high temperature insulation applications. Resistant to most chemicals except hydrofluoric and phosphoric acids and strong caustics.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	2000°F (1093°C)
pH RANGE AT AMBIENT TEMPERATURE	3 to 13

Availability

0.028 inch (0.71 mm) thickness by 35 inch (88.9 cm) widths with lengths to be specified.

Style 1148

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	1000°F (582°C)
PRESSURE, MAXIMUM	180 psi: (12.4 bar): (1.24 MPa): (12.7 kg/cm²) (in steam service)
DENSITY	96 lbs/ft³ (1.54 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 9
BOLT TORQUE	
"M" Gasket Factor	2.25 for all thicknesses
"Y" Gasket Factor	2200 psi (151.7 bar) for all thicknesses

Availability

1" (25.4 mm), 2" (50.8 mm), 4" (101.6 mm), and 6" (152.4 mm) width rolls with 1/16" (1.59 mm) thickness and length to be specified up to 50 yards (45.7 m). Other thicknesses may be obtained by laminating one or more widths.

Approximate weight: 5 lbs/yd (2.5 kg/m) based on 1/16" (1.59 mm) thickness and 4" (101.6 mm) width.

Fiberglass fabric with a tacky natural rubber coating to provide adhesion during installation.

Applications

Recommended for thermal insulation, hand hole, manhole, or tadpole gaskets, fire doors, access doors, and static boiler and door applications, especially where steam is present. Suitable for low pressure steam, water, and other general services. Not suitable for ozone or UV light exposure.

Style 1175

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	2300°F (1260°C)
TENSILE STRENGTH	
ASTM D-686-76 (82)	5.5 psi (.04 MPa) @ 4 lbs/ft³ (64 kg/m³) 9.9 psi (.07 MPa) @ 6 lbs/ft³ (96 kg/m³) 12.5 psi (.09 MPa) @ 8 lbs/ft³ (128 kg/m³)
DENSITY	4 lbs/ft³; (64 kg/m³) 6 lbs/ft³; (96 kg/m³) 8 lbs/ft³; (128 kg/m³)
pH RANGE AT AMBIENT TEMPERATURE	3 to 13

Availability

24" (61 cm) and 48" (122 cm) width rolls in 1/4" (6.35 mm), 1/2" (12.7 mm), 1 1/2" (38.1 mm), and 2" (50.8 mm) thickness. 1" (25.4 mm) and below thicknesses have 25 ft (7.6 m) per roll. 1 1/2" (38.1 mm) and up thicknesses have 12.5 ft (3.8 m) per roll

Approximate weight: 25 lbs (11.3 kgs) per 1" x 24" x 25" (2.54 cm x 61 cm x 7.6 m) roll @ 6 lbs/ft³ (96 kg/m³) density.

Strong, lightweight, flexible needled blanket that is made from spun ceramic fibers. If wet by water or steam, thermal and physical properties remain unaffected after drying.

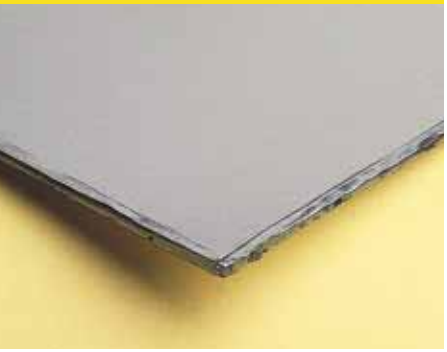
Applications

Recommended for furnace, kiln, and boiler linings, investment casting mold wrapping, steam and gas turbine insulation, high temperature gaskets, high temperature filtration, and other high temperature applications. Resistant to most chemicals except hydrofluoric and phosphoric acids and concentrated alkalies.

UTEX

Texfoil™ Sheet Packing

Style 1308



Smooth homogeneous flexible graphite sheet composed of purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing no fillers or binders.

Applications

Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, and heat transfer oils, and many other applications. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.

PERFORMANCE DATA

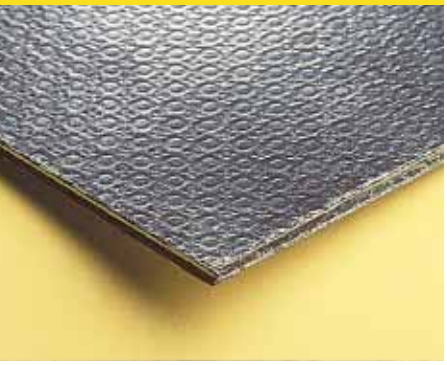
TEMPERATURE, MAXIMUM	-400°F (-240°C) Minimum 850°F (450°C) In Oxid. Atm. 1200°F (650°C) In Steam 5423°F (3000°C) In Inert Atm.
PRESSURE, MAXIMUM	5000 psi; (344.7 bar); (34.47 MPa); (351.5 kg/cm²)
TENSILE STRENGTH (ASTM F152)	500 psi (3.45 MPa) Minimum
DENSITY	70 lbs/ft³; (1.1 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14
BOLT TORQUE	
"M" Gasket Factor	2
"Y" Gasket Factor	1000

Availability

24" x 24" (61 cm x 61 cm) and 39.4" x 39.4" (100 cm x 100 cm) sheets with 1/64" (.40 mm), 1/32" (.79 mm), 1/16" (1.59 mm), and 1/8" (3.18 mm) thicknesses. Other sizes available upon request.

Approximate weight: 11.16 oz/yd² (378g/m²) for bulk density 62 lbs/ft³ (.99 g/cc)
12.60 oz/yd² (427g/m²) for bulk density 70 lbs/ft³ (1.12 g/cc)

Style 1309



Laminated flexible graphite sheet bonded to a .004" thick 316 stainless steel tang core. Flexible graphite is a purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing no fillers or binders.

Applications

Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, heat transfer oils, and many other applications. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	-400°F (-240°C) Minimum 850°F (450°C) In Oxid. Atm. 1200°F (650°C) In Steam 2750°F (1510°C) In Inert Atm.
PRESSURE, MAXIMUM	10,000 psi; (689.5 bar); (68.95 MPa); (703 kg/cm²)
TENSILE STRENGTH (ASTM F152)	500 psi (3.45 MPa) Minimum
DENSITY	70 lbs/ft³; (1.1 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14
BOLT TORQUE	
"M" Gasket Factor	2
"Y" Gasket Factor	2500

Availability

24" x 24" (61 x 61 cm), and 39.4" x 39.4" (100 cm x 100 cm) sheets with 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm) thicknesses. Other sizes available upon request.

Average weight:
23.3 oz/yd² (790 g/m²) for bulk density 70 lbs/ft³ (1.12 g/cc)

Texfoil™ Sheet Packing

UTEX

Style 1310

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	-400°F (-240°C), Minimum 850°F (450°C) In Oxid. Atm. 1200°F (650°C) In Steam 2750°F (1510°C) In Inert Atm.
PRESSURE, MAXIMUM	10,000 psi; (689.5 bar); (68.95 MPa); (703 kg/cm²)
TENSILE STRENGTH (ASTM F152)	500 psi (3.45 MPa) Minimum
DENSITY	70 lbs/ft³; (1.1 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14
BOLT TORQUE	
"M" Gasket Factor	2
"Y" Gasket Factor	2500

Availability

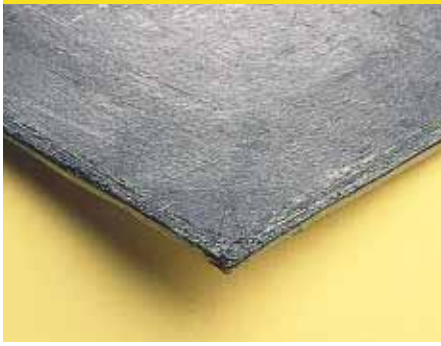
24" x 24" (61 x 61 cm), and 39.4" x 39.4" (100 cm x 100 cm) sheets with 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), and 1/8" (3.18 mm) thicknesses. Other sizes available upon request.

Average weight: 23.3 oz/yd² (790 g/m²) for bulk density 70 lbs/ft³ (1.1 g/cc)

Laminated flexible graphite sheet bonded to a .002" 316 stainless steel core. Flexible graphite is purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing no fillers or binders.

Applications

Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, and heat transfer oils. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.



Style 1311

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	-400°F (-240°C) Minimum 850°F (450°C) In Oxid. Atm. 1200°F (650°C) In Steam 2750°F (1510°C) In Inert Atm.
PRESSURE, MAXIMUM	10,000 psi; (689.5 bar); (68.95 MPa); (703 kg/cm²)
TENSILE STRENGTH (ASTM F152)	500 psi (3.45 MPa) Minimum
DENSITY	70 lbs/ft³; (1.1 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14
BOLT TORQUE	
"M" Gasket Factor	2
"Y" Gasket Factor	2500

Availability

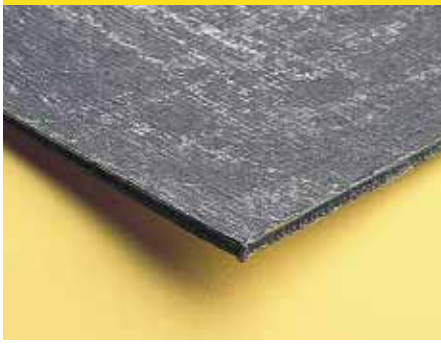
24" x 24" (61 x 61 cm), and 39.4" x 39.4" (100 cm x 100 cm) sheets with 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), and 1/8" (3.18 mm) thicknesses. Other sizes available upon request.

Average weight: 23.3 oz/yd² (790 g/m²) for bulk density 70 lbs/ft³ (1.1 g/cc)

Laminated flexible graphite sheet bonded to a 316 stainless steel-mesh core (.0075" wire diameter, 24 mesh). Flexible graphite is a purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing fillers or binders.

Applications

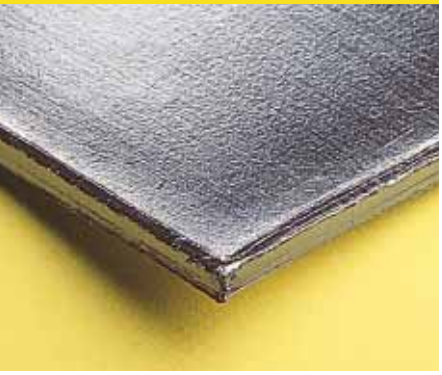
Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, heat transfer oils, and many other applications. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.



UTEX

Texfoil™ Sheet Packing

Style 1313



Laminated flexible graphite sheet bonded to a .002" Hastelloy™ C276 steel core. Flexible graphite is a purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing no fillers or binders.

Applications

Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, heat transfer oils, and many other applications. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM		-400°F (-240°C) Minimum 850°F (450°C) In Oxid. Atm. 1000°F (538°C) In Steam 1000°F (538°C) In Inert Atm.
PRESSURE, MAXIMUM		10,000 psi; (689.5 bar); (68.95 MPa); (703 kg/cm²)
TENSILE STRENGTH (ASTM F152)		500 psi; (3.45 MPa) Minimum
DENSITY		70 lbs/ft³; (1.1 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE		0 to 14
BOLT TORQUE		
"M" Gasket Factor	2	
"Y" Gasket Factor	2500	

Availability

24" x 24" (61 x 61 cm), and 39.4" x 39.4" (100 cm x 100 cm) sheets with 1/32" (.79 mm), 1/16" (1.59 mm), and 1/8" (3.18 mm) thicknesses. Other sizes available upon request.

Average weight: 23.3 oz/yd² (790 g/m³) for bulk density 70 lbs/ft³ (1.1 g/cc)

PTFE Sheet Packing

UTEX

Style 1140

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-400°F to 500°F (-240°C to 260°C)
PRESSURE, MAXIMUM	1000 psi; (69 bar); (6.9 MPa); (70.3 kg/cm²)
TENSILE STRENGTH (ASTM F152)	1500 psi (10.34 MPa) Typical
DENSITY	134.2 lbs/ft³; (2.15 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14
BOLT TORQUE	
"M" Gasket Factor	3.5 for 1/8" (3.18 mm) thickness 2.75 for 1/16" (1.59 mm) thickness
"Y" Gasket Factor	3200 psi (22 MPa) for 1/8" (3.18 mm) thickness 1600 psi (11 MPa) for 1/16" (1.59 mm) thickness

Availability

12" (30.5 cm) x 12" (30.5 cm), 24" (61 cm) x 24" (61 cm), 36" (91.44 cm) x 36" (91.44 cm), and 48" (122 cm) x 48" (122 cm) sheets with 1/64" (.4 mm), 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.4 mm), 1/8" (3.18 mm), 3/16" (4.76 mm) and 1/4" (6.35 mm) thicknesses.

Approximate weight: 1.5 lbs/ft² (7.26 kg/m²) based on 1/8" (3.18 mm) thick sheet.

A mechanical grade of virgin PTFE.

Applications

Recommended for use in general sealing or gasket applications and as a bearing surface. Has a pH range of 0 -14 and is resistant to almost every acid or chemical except molten sodium hydroxide, dry fluorine gas, and molten sodium nitrate.

Style 1156

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-350° F to +500°F (-212° C to 260°C)
PRESSURE, MAXIMUM	800 psi; (55.1 bar); (5.51MPa); (56.3 kg/cm²)
TENSILE STRENGTH (ASTM F152)	2100 psi (14.65 MPa) Typical
DENSITY	131 lbs/ft³; (210 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14
BOLT TORQUE	
"M" Gasket Factor	2.7 for 1/16" (1.59 mm) thickness
"Y" Gasket Factor	3500 psi (24.1 MPa) for 1/16" (1.59 mm) thickness

Availability

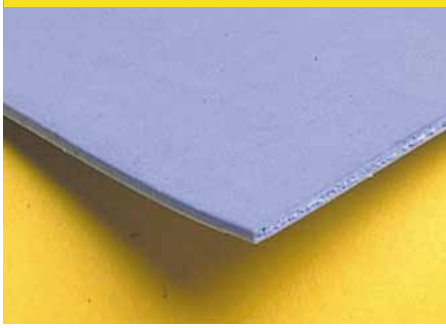
60" x 60" x (152 cm x 152 cm) sheets with.1/32" (.79 mm), 1/16" (1.6 mm), and 1/8" (3.18 mm) thicknesses.

Approximate weight: 17.0 lbs (7.7 kgs) per sheet based on a 1/16" (1.59 mm) thickness

A blue color, PTFE composite compression sheet. It possesses outstanding chemical resistance and seals better than conventional PTFE gaskets. Reduces creep relaxation, cold flow problems, and retains bolt torque loads better than conventional PTFE. Because of high compressibility, it is especially suited for glass and glass-lined flanges. May also be suited for certain food applications.

Applications

Recommended for gasket and static applications. It has excellent compressibility properties and resistance to chemicals. Suitable for wet steam, gases, water, inorganic salt solutions, organic acids, alkalies, hydrocarbons, oils and greases, aliphatic achohols, esters and ketones, heat transfer oils, and other applications. Not suitable for molten alkali metals, fluorine gas, and hydrogen fluoride.



Style 1157

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-450°F to 600°F (-268°C to 316°C)
PRESSURE, MAXIMUM	2900 psi; (200 bar); (20. MPa); (204 kg/cm²)
TENSILE STRENGTH (ASTM F152)	1500 psi (10.34 MPa) Typical
DENSITY	53 lbs/ft³; (.85 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14

Availability

60" (152 cm) x 60" (152 cm) sheets in 1/32" (.79 mm), 1/16" (1.58 mm), 3/32" (2.381 mm), 1/8" (3.18 mm) , 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses.

Approximate weight: 6.9 lbs (3.1 kgs) per sheet based on a 1/16" (1.59 mm) thickness by 60" (152.4 cm) square

Made from 100% pure expanded PTFE to provide excellent sealability where irregularities, voids, or nicks exist on flange surfaces.

Applications

Recommended for general sealing or gasket applications and other static sealing applications. Has a pH range of 0 -14 and is suitable for almost all services. Exceptions are elemental fluorine and molten alkaline metals.

UTEX

PTFE Sheet Packing

Style 1158

Sheet is a fawn color, PTFE composite compression sheet. Possesses outstanding chemical resistance and seals better than conventional PTFE gaskets. Reduces creep relaxation, cold flow problems, and retains bolt torque loads better than conventional PTFE. May be suitable for certain food applications.

Applications

Recommended for gasket and other static applications. Has excellent compressibility properties and resistance to chemicals. Suitable for wet steam, gases, water, inorganic salt solutions, organic acids, alkalies, hydrocarbons, oils and greases, aliphatic alcohols, esters and ketones, heat transfer oils, and other applications. Not suitable for molten alkaline metals, fluorine gas, and hydrogen fluoride.

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-350°F to 500°F (-212°C to 260°C)
PRESSURE, MAXIMUM	1200 psi; (82.7 bar); (8.27 MPa); (84.4 kg/cm²)
TENSILE STRENGTH (ASTM F152)	2660 psi (18.6 MPa) Typical
DENSITY	144 lbs/ft³; (2.30 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14
BOLT TORQUE	
"M" Gasket Factor	3.0 for 1/16" (1.59mm) 0thickness
"Y" Gasket Factor	4500 psi (27.5 MPa) for 1/16" (1.59mm) thickness

Availability

60" (152 cm) x 60" (152 cm) sheets with 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm) thicknesses.

Approximate weight: 18.0 lbs (8.2 kgs) per sheet based on 1/16" (1.59 mm) thick sheet.

Style 1159

An off white color PTFE composite compression sheet. Possesses outstanding chemical resistance and freedom from pigmentation, and seals better than conventional PTFE gaskets. Offers the best sealability at high temperatures. In addition, it reduces creep relaxation, cold flow problems, and retains bolt torque better than than conventional PTFE. May be suitable for certain food applications.

Applications

Recommended for gasket and other static applications. Has excellent compressibility properties and resistance to chemicals. Suitable for wet steam, gases, water, inorganic salt solutions, organic acids, alkalies, hydrocarbons, oils and greases, aliphatic alcohols, esters and ketones, heat transfer oils and other applications. Not suitable for molten alkali metals, fluorine gas, and hydrogen fluoride.

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-350°F to 500°F (-212°C to 260°C)
PRESSURE, MAXIMUM	1200 psi; (82.7 bar); (8.27 MPa); (84.4 kg/cm²)
TENSILE STRENGTH (ASTM F152)	2000 psi (13.7 MPa) Typical
DENSITY	126 lbs/ft³; (2.02 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	0 to 14
BOLT TORQUE	
"M" Gasket Factor	3.0 for 1/16" (1.59 mm) thickness
"Y" Gasket Factor	4500 psi (27.5 MPa) for 1/16" (1.59mm) thickness

Availability

60" (152 cm) x 60" (152 cm) sheets with 1/32" (.79mm), 1/16" (1.59 mm), 1/8" (3.18 mm) thicknesses. Other sizes are available on request.

Approximate weight: 16 lbs (7.3 kgs) per sheet based on 1/16" (1.59 mm) thickness.

Rubber Sheet Packing

UTEX

Style 1110

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-10°F to 250°F (-23°C to 121°C)
PRESSURE, MAXIMUM	
Used as a gasket or diaphragm	100 psi; (6.9 bar); (.69 MPa); (7.03 kg/cm²)
TENSILE STRENGTH (ASTM D412)	500 psi; (3.45 MPa) Typical
DENSITY	111 lbs/ft³; (1.78 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
DUROMETER, SHORE "A" ASTM D2240	70 ± 5
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

36" (91.44 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.39 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm).

Approximate weight: 5.2 lbs/yd² (2.7 kg/m²) based on 1/16" (1.59 mm) thick sheet.

Sheet is red in color with a cloth impression finish and a 65-85 durometer commercial grade of SBR rubber.

Applications

Recommended for use in general sealing or gasket applications, including water, air, mild acids, and other light duty services.

Style 1112

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-20°F to 225°F (-29°C to 107°C) 250°F (121°C) intermittently
PRESSURE, MAXIMUM	
Used as a gasket or diaphragm	150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm²)
TENSILE STRENGTH (ASTM D412)	1,000 psi; (6.89 MPa) Typical
DENSITY	83 lbs/ft³; (1.33 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
DUROMETER, SHORE "A" ASTM D2240	60 - 70
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

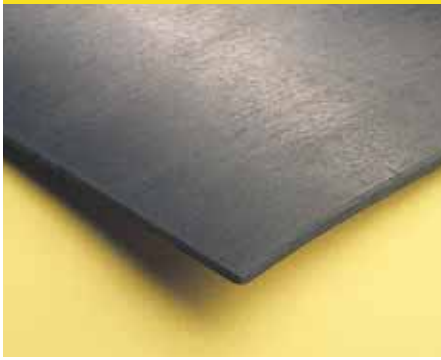
36" (91.44 cm) wide continuous length in 1/16" (1.59 mm), 3/32" (2.38 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 3/8" (9.53 mm), 1/2" (12.7 mm), 5/8" (15.88 mm), 3/4" (19 mm), and 1" (25.4 mm) thicknesses.

Approximate weight: 3.9 lbs/yd² (2.1 kg/m²) based on a 1/16" (1.59 mm) thick sheet.

A 60 durometer chloroprene rubber blend that has a smooth finish and black color.

Applications

Recommended for use as pads, bumpers, and general sealing or gasket applications and is suitable for general services including ethylene glycol, water, air, alcohols, and salt water. Excellent as a weather stripping material. Not suitable for severe oil and ozone applications.



Style 1113

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-30°F to 250°F (-34°C to 121°C)
PRESSURE, MAXIMUM	
Used as a gasket or diaphragm	250 psi; (17.2 bar); (1.72 MPa); (17.57 kg/cm²)
TENSILE STRENGTH (ASTM D412)	1750 psi; (12 MPa) Typical
DENSITY	76.8 lbs/ft³; (1.23 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
DUROMETER, SHORE "A" ASTM D240	55 - 75
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

36" (91.44 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 3/8" (9.50 mm), and 1/2" (12.7 mm).

Approximate weight: 3.6 lbs/yd² (1.9 kg/m²) based on 1/16" (1.59 mm) thick sheet.

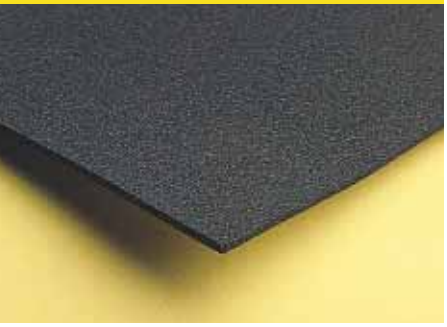
A 65 durometer nominal commercial grade of homogeneous nitrile (Buna-N) rubber that is black in color with a plate finish.

Applications

Recommended for use as pads, bumpers, and general sealing or gasket applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, air, and other hydrocarbon services.

UTEX Rubber Sheet Packing

Style 1120



Medium density closed cell chloroprene sponge material.

Applications

Recommended for weather or door stripping, protector seals for API flanges, padding to reduce vibration, and other static gasket applications. Suitable for ozone applications, water, weather resistance, and other general light duty services.

PERFORMANCE DATA

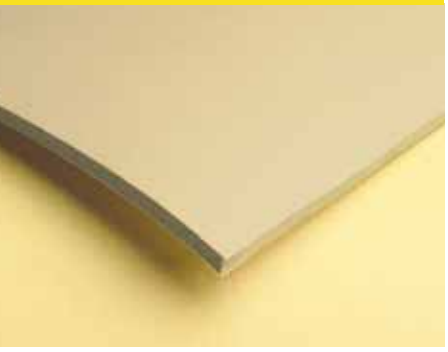
TEMPERATURE, MINIMUM TO MAXIMUM	-70°F to 150°F (-57°C to 66°C) to 200°F (93°C) Intermittently
PRESSURE, MAXIMUM	100 psi; (6.89 bar); (.69 MPa); (7.03 kg/cm²)
TENSILE STRENGTH (ASTM D412)	55 psi (.38 MPa) Minimum
DENSITY	10 lbs/ft³ (.16 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
BOLT TORQUE	
"M" Gasket Factor	0 thickness
"Y" Gasket Factor	0 psi

Availability

42" (107 cm) x 60" (152 cm) sheet with 5/16" (8 mm) or 5/8" (15.88 mm) thicknesses.

Approximate weight: 6 lbs. (2.7 kgs) based on 5/16" (8 mm) thick sheet.

Style 1121



A 40 durometer commercial grade of natural rubber that is tan in color with a smooth finish and highly elastic with excellent abrasion resistance. Meets FDA guidelines 21 CFR177.2600.

Applications

Recommended for use as pads, bumpers, and general service sealing or gasket applications, especially where irregular surfaces are present. Suitable for general services including inorganic salts, cold ammonia gas, some acids, air, water, alkalies, and other general services. Not suitable for oil and grease services. Suited for food contact and potable water services.

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-20°F to 140°F (-29°C to 60°C) to 200°F (93°C) Intermittently
PRESSURE, MAXIMUM	
Used as a gasket or diaphragm	100 psi; (6.9 bar); (.69 MPa); (7.03 kg/cm²)
TENSILE STRENGTH (ASTM D412)	3000 psi; (20.7 MPa) Typical
DENSITY	61 lbs/ft³ (.98 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
DUROMETER, SHORE "A" ASTM D2240	35 - 45
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

36" (91.44 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 3/8" (9.50 mm), 1/2" (12.70 mm), 3/4" (19 mm), and 1" (25.4 mm).

Approximate weight: 2.0 lbs/yd² (1.1 kg/m²) based on 1/16" (1.59 mm) thick sheet.

Style 1122

A blend of nitrile rubber and polyvinyl chloride plastic and is white in color. Meets FDA guidelines (CFR 177.2600) for rubber articles intended for repeated food use and is suitable for potable water requirements.

Applications

Recommended for gasket and other static applications and is suitable for oils, hydrocarbons, weather resistance, and food services.

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-30°F to 225°F (-34°C to 107°C)
PRESSURE, MAXIMUM	
Used as a gasket or diaphragm	250 psi; (17.2 bar); (1.72 MPa); (17.6 kg/cm²)
TENSILE STRENGTH (ASTM D412)	1000 psi; (6.9 MPa) Typical
DENSITY	96 lbs/ft³ (1.54 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	5 to 10
DUROMETER, SHORE "A" ASTM D2240	60 - 70
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

36" (91.4 cm) wide continuous length in 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses.

Approximate weight: 4.5 lbs/yd² (2.4 kg/m²) based on a 1/16" (1.59 mm) thick sheet.

Rubber Sheet Packing

UTEX

Style 1150

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-10°F to 400°F (-23°C to 205°C)
PRESSURE, MAXIMUM Used as a diaphragm or gasket	250 psi; (17.2 bar); (1.72 MPa); (17.6 kg/cm²)
TENSILE STRENGTH (ASTM D412)	1000 psi; (6.9 MPa) Typical
DENSITY	123 lbs/ft³ (1.97 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 10
DUROMETER, SHORE "A" ASTM D2240	65 - 75
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

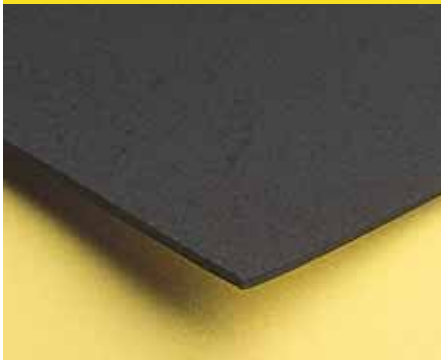
36" (14.17 cm) wide continuous lengths with 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses. Other sizes available upon request.

Approximate weight: 5.75 lbs (2.6 kgs) based on a 1/16" (1.59 mm) thick sheet by 36" (14.1 cm) square.

Molded sheet made from a 70 durometer high temperature fluorocarbon elastomer compound. Has smooth finish and is black in color.

Applications

Recommended for gasket and other static applications. Excellent high temperature properties and resistance to aromatic hydrocarbons. Suitable for most acids, sour gas, oils, alcohols, alkalies, polar and chlorinated solvents, and hydrocarbons. Not suitable for service in low molecular weight esters and ethers, ketones, Freon refrigerant, hot anhydrous hydrofluoric or chlorosulphonic acids, certain amines, and alkyl phosphate esters.



Style 1152

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-20°F to 250°F (-29°C to 121°C)
PRESSURE, MAXIMUM Used as a diaphragm or gasket	150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm²)
TENSILE STRENGTH (ASTM D-412)	800 psi; (5.5 MPa) Typical
DENSITY	76.8 lbs/ft³ (1.23 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	6 to 10
DUROMETER, SHORE "A" ASTM D2240	55 - 65
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

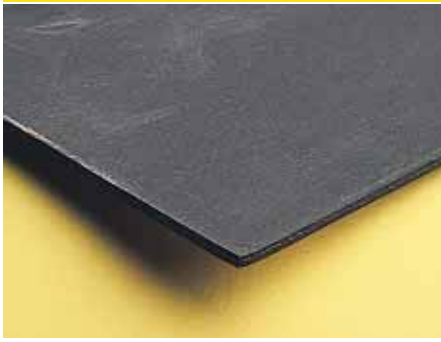
36" (91.4 cm) wide continuous lengths in 1/16" (1.59 mm), 3/32" (2.38 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) and 1/2" (12.7 mm) thicknesses.

Approximate weight: 3.6 lbs/yd² (1.94 kg/m²) based on a 1/16" (1.59 mm) thick sheet.

Moderate service sheet composed of EPDM rubber with a smooth finish and is black in color.

Applications

Recommended for gasket and other static applications. Has excellent electrical and dynamic properties and resistance to steam. Suitable for anhydrous ammonia, steam, water, most inorganic chemicals, and other general services. Very resistant to weathering conditions.



Style 1155

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-65°F to 400°F (-54°C to 204°C)
PRESSURE, MAXIMUM Used as a diaphragm or gasket	250 psi; (17.2 bar); (1.72 MPa); (17.6 kg/cm²)
TENSILE STRENGTH (ASTM D-412)	500 psi; (3.4 MPa) Typical
DENSITY	83.6 lbs/ft³ (1.34 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	7 to 12
DUROMETER, SHORE "A" ASTM D-2240	55 - 65
BOLT TORQUE	
"M" Gasket Factor	1.0 for 1/8" (3.18 mm) thickness
"Y" Gasket Factor	200 psi (1.38 MPa) for 1/8" (3.18 mm) thickness

Availability

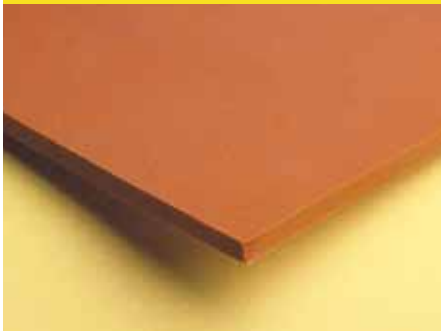
36" (91.4 cm) wide continuous lengths with 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses.

Approximate weight: 3.0 lbs/yd² (1.63 kg/m²) based on a 1/16" (1.59 mm) thick sheet.

Economical grade of silicone rubber. Has a smooth finish and is red in color.

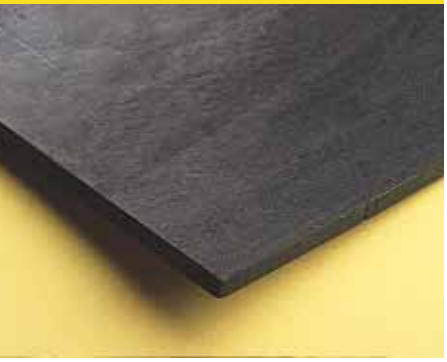
Applications

Recommended for use as pads, bumpers, weather stripping, and gasket and sealing applications. Suitable for hot oil, salt water, air, sunlight, ozone, and other general services. Has excellent weathering qualities. Not suitable for steam, ketones or hydrocarbons.



UTEX Rubber Sheet Packing

Style 1160



Molded, or calendered (upon special request), from a 74 durometer high temperature AFLAS® fluoroelastomer compound. Based on a copolymer of tetrafluorethylene and propylene.

Applications

Recommended for gasket and other static applications. Has excellent high temperature properties and resistance to steam. Suitable for most acids, bases, high pH corrosion inhibitors, sour gas, oils, steam, alcohols, alkalies, polar solvents, and hydrocarbons. Has fair resistance to aromatic solvents, fuels, ketones, and low molecular weight esters and ethers. Not suitable for service in chlorinated solvents, Freon refrigerant, and tetrahydrofurane.

PERFORMANCE DATA

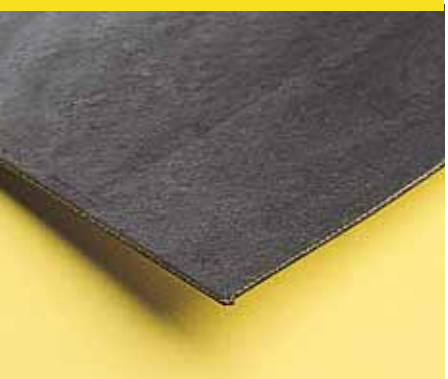
TEMPERATURE, MINIMUM TO MAXIMUM	+32°F to 450°F (0°C to 232°C)
PRESSURE, MAXIMUM	275 psi; (19 bar); (1.9 MPa);
Used as a diaphragm or gasket	(19.3 kg/cm²)
TENSILE STRENGTH	
(ASTM D412)	2000 psi; (13.8 MPa) Typical
DENSITY	95.5 lbs/ft³ (1.53 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 10
DUROMETER, SHORE "A"	68 - 80
ASTM D2240	
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

Molded: 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm), thicknesses and 32" (81 cm) x 32" (81 cm) sheets in all thicknesses.
Upon special request: Calendered: 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm), thicknesses and 36" wide sheets cut to length.

Approximate weight: 1.75 lbs (0.8kg) per sheet based on a 1/32" (.79mm) thickness by 32" (81 cm) square.

Style 1161



Molded, or calendered (upon special request), reinforced sheet made from a 74 durometer high temperature AFLAS® fluoroelastomer compound with nylon cloth insert. The 1/16 " (1.59mm) through 3/16" (4.72mm) thicknesses have 1 ply of fabric, and the 1/4" (6.3mm) has two plies of fabric. AFLAS® is based on a copolymer of tetrafluorethylene and propylene.

Applications

Recommended for gasket and other static applications. Excellent high temperature properties and resistance to steam. Suitable for most acids, bases, high pH corrosion inhibitors, sour gas, oils, steam, alcohols, alkalies, polar solvents, and hydrocarbons. Has fair resistance to aromatic solvents, fuels, ketones, and low molecular weight esters and ethers. Not suitable for service in chlorinated solvents, Freon refrigerant, and tetrahydrofurane.

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	+32°F to +350°F (0°C to 177°C)
PRESSURE, MAXIMUM	400 psi; (27 bar); (2.7 MPa);
Used as a diaphragm or gasket	(28.1 kg/cm²)
MULLENS BURST STRENGTH	
ASTM D-751-89, SEC. 18	430 psi; (2.96 MPa) Minimum
TENSILE STRENGTH	
(ASTM D751)	2880 psi; (19.9 MPa) Typical
DENSITY	95.5 lbs/ft³ (1.53 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 10
DUROMETER, SHORE "A"	
ASTM D2240	80
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0 psi

Availability

Aflas® /nylon inserted sheet is available molded: 1/32" (.79 mm), 1/16" (1.59 mm), 1/8 (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses.
32" (81 cm) x 32" (81 cm) sheets available in all thicknesses.
Upon special request: Calendered: 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm), thicknesses and 36" wide sheets cut to length.

Style 1164

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-50°F to 180°F (-46°C to 82°C)
PRESSURE, MAXIMUM Used as a diaphragm or gasket	450 psi; (31 bar); (3.1 MPa); (31.6 kg/cm²)
MULLENS BURST STRENGTH ASTM D-751-89, SEC. 18	240 psi; (1.65 MPa) Minimum
TENSILE STRENGTH (ASTM D412)	5320 psi; (36.7 MPa) Typical
DENSITY	77.4 lbs/ft³ (1.24 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	5 to 10
DUROMETER, SHORE "A" ASTM D2240	60 - 70
BOLT TORQUE	
"M" Gasket Factor	.5 for 1/8" (3.18 mm) thickness
"Y" Gasket Factor	0 psi

Availability

24" (61 cm) x 24" (61 cm) and 48" (122 cm) x 48" (122 cm) sheets with 3/16" (4.76 mm), 1/4" (6.35 mm), 5/16" (7.94 mm), 3/8" (9.50 mm), 1/2" (12.70 mm), 5/8" (15.88 mm). 3/4" (19 mm), and 1" (25.4 mm) thicknesses.

Approximate weight: 6.2 lbs (2.81 kgs) based on a 1/4" (6.35 mm) thick sheet.

A 65 durometer shore homogeneous polyester polyurethane material that is abrasion resistant and more durable than rubber sheet materials. Has excellent load bearing capabilities.

Applications

Recommended for use as pads, wear resistant lining, bumpers, and general sealing or gasket applications. Suitable for general services including water, petroleum oils, air, and abrasive slurries.

Style 1165

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-50°F to 180°F (-46°C to 82°C)
PRESSURE, MAXIMUM	550 psi; (38 bar); (3.8 MPa); (38.7 kg/cm²)
MULLENS BURST STRENGTH ASTM D-751-89, SEC. 18	>460 psi; (3.17 MPa) Minimum
TENSILE STRENGTH (ASTM D412)	7000 psi; (48.26 MPa) Typical
DENSITY	79 lbs/ft³ (1.265 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	5 to 10
DUROMETER, SHORE "A" ASTM D2240	88 - 98
BOLT TORQUE	
"M" Gasket Factor	1.0 for 1/8" (3.18 mm) thickness
"Y" Gasket Factor	200 psi (1.38 MPa) for 1/8" (3.18 mm) thickness

Availability

24" (61 cm) x 24" (61 cm) and 48" (122 cm) x 48" (122 cm) sheets with 3/16" (4.76 mm), 1/4" (6.35 mm), 5/16" (7.94 mm), 3/8" (9.50 mm), 1/2" (12.70 mm), 5/8" (15.88 mm). 3/4" (19 mm), and 1" (25.4 mm) thicknesses.

Approximate weight: 6.3 lbs (2.86 kgs) per sheet based on a 1/4" (6.35 mm) thickness.

A 95 durometer shore "A" homogeneous polyurethane material that is abrasion resistant and more durable than rubber sheet materials. Has excellent load bearing capabilities.

Applications

Recommended for use as pads, wear resistant lining, bumpers, and general sealing or gasket applications. Suitable for general services including petroleum oils, water, air, and abrasive slurries.

Style 1166

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-50°F to 180°F (-46°C to 82°C)
PRESSURE, MAXIMUM	750 psi; (51.7 bar); (5.17 MPa); (52.7 kg/cm²)
TENSILE STRENGTH (ASTM D412)	6000 psi; (41.4 MPa) Typical
DENSITY	79.5 lbs/ft³ (1.273 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	5 to 10
DUROMETER, SHORE "D" ASTM D2240	65 - 75
BOLT TORQUE	
"M" Gasket Factor	1.0 for 1/8" (3.18 mm) thickness
"Y" Gasket Factor	200 psi (1.38 MPa) for 1/8" (3.18 mm) thickness

Availability

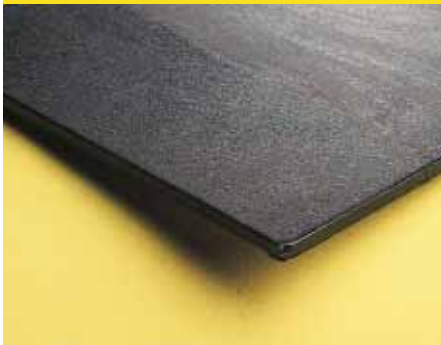
24" (61 cm) x 24" (61 cm) sheets with 3/16" (4.76 mm), 1/4" (6.35 mm), 5/16" (7.94 mm), 3/8" (9.50 mm), 1/2" (12.70 mm), 5/8" (15.88 mm). 3/4" (19 mm), and 1" (25.4 mm) thicknesses.

Approximate weight: 6.6 lbs (3 kgs) per sheet based on a 1/4" (6.35 mm) thickness.

A rigid 70 durometer (Shore "D") homogeneous polyurethane material that is abrasion resistant and more durable than rubber sheet materials. Has excellent load bearing capabilities.

Applications

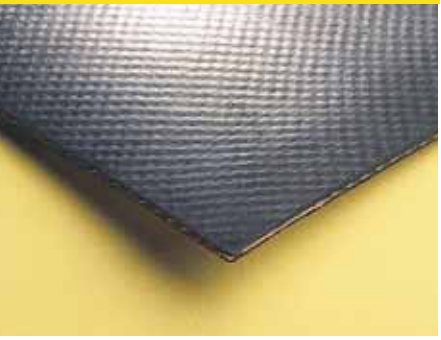
Recommended for use as pads, bumpers, protective barriers and specialized sealing or gasket applications. Suitable for general services including petroleum oils, water, air, and abrasive slurries.



UTEX

Fabric Reinforced Sheet Packing

Style 1115



A high pressure oil resistant chloroprene rubber with nylon cloth inserted into the middle of the sheet. The 1/16" (1.59 mm) through 3/16" (4.72 mm) thicknesses have one ply of fabric and the 1/4" (6.3 mm) thickness has two plies of fabric.

Applications

Recommended for use as metering diaphragms, general sealing or gasket applications, regulators, vacuum pumps, and other static and dynamic applications. Suitable for general services including petroleum oils, hydraulic fluids, alcohols, water, steam, mild acids, air and other gases.

PERFORMANCE DATA

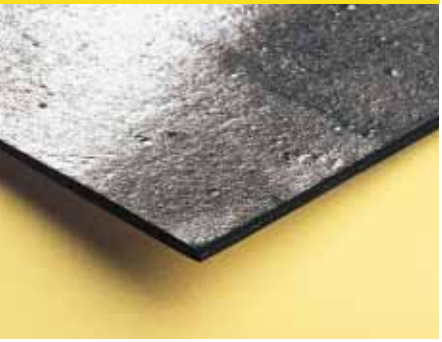
TEMPERATURE, MINIMUM TO MAXIMUM	-60°F to 250°F (-51°C to 121°C)
PRESSURE, MAXIMUM	
Used as a diaphragm	1000 psi; (68.9 bar); (6.89 MPa); (70.3 kg/cm²)
Used as a gasket	300 psi; (20.7 bar); (2.07 MPa); (21.1 kg/cm²)
MULLENS BURST STRENGTH ASTM D-751-89, Sec. 18.3	1000 psi (6.89 MPa) Minimum
DENSITY	7.16 lbs/ft³ (.115 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
DUROMETER, SHORE "A" ASTM D2240	65 to 75
BOLT TORQUE	
"M" Gasket Factor	1.25 for all thicknesses
"Y" Gasket Factor	400 psi (2.76 MPa) for all thicknesses

Availability

56" (142 cm) wide continuous length in 1/16" (1.59 mm) , 1/8" (3.18 mm), 3/16" (4.72 mm), 1/4" (6.3 mm) thicknesses.

Approximate weight: 4.03 lbs/yd² (2.19 kg/m²) for the 1/16" (1.59 mm) thick sheet.
8.07 lbs/yd² (4.38 kg/m²) for the 1/8" (3.18 mm) thick sheet.
12.1 lbs/yd² (6.57 kg/m²) for the 3/16" (4.72 mm) thick sheet.
16.1 lbs/yd² (8.76 kg/m²) for the 1/4" (6.3 mm) thick sheet.

Style 1116



An all purpose oil resistant nitrile (Buna-N) rubber with one layer of nylon cloth inserted into the middle of the sheet.

Applications

Recommended for use as metering diaphragms, general sealing or gasket applications, carburetors, regulators, vacuum pumps, and other static and dynamic applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, steam, air and other gases.

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-40°F to 250°F (-40°C to 121°C)
PRESSURE, MAXIMUM	
Used as a diaphragm,	
1/64" (.38 mm) sheet	100 psi; (6.9 bar); (.69 MPa); (7.03 kg/cm²)
1/16" (1.58 mm) sheet	300 psi; (20.7 bar); (2.07 MPa); (21.1kg/cm²)
Used as a gasket	300 psi; (20.7 bar); (2.07 MPa); (21.1kg/cm²)
MULLENS BURST STRENGTH ASTM D-751-89, Sec. 18.3	100 psi (6.9 MPa) based on 1/64" (.38 mm) sheet, Typical 400 psi (2.75 MPa) based on 1/16" (.79 mm) sheet, Typical
DENSITY	5.5 lbs/ft³ (.09 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
DUROMETER, SHORE "A" ASTM D2240	72 to 82
BOLT TORQUE	
"M" Gasket Factor	1.25 for both thicknesses
"Y" Gasket Factor	400 psi (2.76 MPa) for both thicknesses

Availability

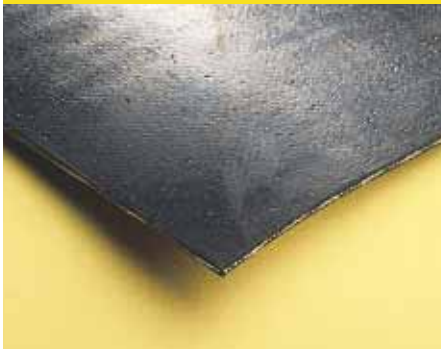
57" (144.5 cm) wide continuous length in 1/64" (.38 mm) thickness and
60" (142.2 cm) wide continuous length in 1/32" (.79 mm) thickness

Approximate weight: .75 lbs/yd² (.40 kg/m²) for the 1/64" (.38 mm) thick sheet.
1.56 lbs/yd² (.85 kg/m²) for the 1/32" (.79 mm) thick sheet

Fabric Reinforced Sheet Packing

UTEX

Style 1117



Black chloroprene rubber with one ply of cotton fabric inserted in the middle of the sheet.

Applications

Recommended for use as diaphragm, gasket regulator, control valve, and other static and dynamic applications. Excellent for petroleum oil service. Other applications include water, hydrocarbons, salt water, some acids, and general service.

PERFORMANCE DATA

TEMPERATURE, MINIMUM TO MAXIMUM	-60°F to 225°F (-51°C to 107°C)
PRESSURE, MAXIMUM	
Used as a diaphragm,	
1/16" (1.59 mm) sheet	300 psi; (20.7 bar); (2.07 MPa); (21.1 kg/cm²)
1/8" (3.18 mm) sheet	500 psi; (34.5 bar); (3.45 MPa); (35.2 kg/cm²)
Used as a gasket	300 psi; (20.7 bar); (2.07 MPa); (21.1 kg/cm²)
MULLENS BURST STRENGTH ASTM D-751-89, Sec. 18.3	315 psi (2.17 MPa) based on 1/16" (1.59 mm) sheet, Typical 560 psi (3.81 MPa) based on 1/8" (3.18 mm) sheet, Typical
TENSILE STRENGTH (ASTM D412)	1100 psi (7.58 MPa) based on 1/16" (1.59 mm) sheet, Typical
DENSITY	6.4 lbs/ft³ (.1 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
DUROMETER, SHORE "A" ASTM D2240	65 to 75
BOLT TORQUE	
"M" Gasket Factor	1.25 for 1/16" (1.59 mm) thickness
"Y" Gasket Factor	400 psi (2.76 MPa) for 1/16" (1.59 mm) thickness

Availability

50" (127 cm) wide continuous length in 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses.

Approximate weight: 3.6 lbs/yd² (1.94 kg/m²) based on 1/16" (1.59 mm) thick sheet.

See Style 1161 – page 18.

UTEX

Miscellaneous Sheet Packing

Style 1129

A cork and rubber material with medium size cork granules held together with a nitrile rubber binder.

Applications

Recommended for use as pads, bumpers, and general sealing or gasket applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, air, and other hydrocarbon services.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	250°F (121°C)
PRESSURE, MAXIMUM	150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm²)
TENSILE STRENGTH (ASTM D412)	200 psi (1.38 MPa) Minimum
DENSITY	32 lbs/ft³ (.51 g/cc) Minimum
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0

Availability

36" x (91.4 cm) x 36" (91.4 cm) sheets with 1/32" (.79 mm) to 3-1/2" (88.9 mm) thicknesses. Other widths and lengths available upon request.

Approximate weight: 1.75 lbs (.8 kg per sheet based on 1/16" (1.57mm) thickness.

Style 1130

General purpose synthetic polymer bonded cork material with medium sized cork granule.

Applications

Recommended for use as pads, bumpers, automotive sealing applications, and general sealing or gasket applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, air, and automotive fluid sealing.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	250°F (121°C)
PRESSURE, MAXIMUM	150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm²)
TENSILE STRENGTH (ASTM D412)	100 psi (.69 MPa) Minimum
DENSITY	17 lbs/ft³ (.27 g/cc) Minimum
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0

Availability

36" (91.4 cm) x 36" (91.4 cm) sheets with 1/32" (.79 mm) to 3-1/2" (88.9 mm) thicknesses. Other widths and lengths available on request.

Approximate weight: .8 lbs (.36 kg) per sheet based on 1/16" (1.59 mm) sheet.

UTEX

Style 1131

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	250°F (121°C)
PRESSURE, MAXIMUM	150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm²)
TENSILE STRENGTH (ASTM D412)	150 psi (1.03 MPa) Minimum
DENSITY	35 lbs/ft³ (.56 g/cc) Minimum
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
BOLT TORQUE	
"M" Gasket Factor	.5 for all thicknesses
"Y" Gasket Factor	0

Availability

36" (91.4 cm) x 36" (91.4 cm) sheets with 1/32" (.79 mm) to 3-1/2" (88.9 mm) thicknesses. Other widths and lengths available on request.

Approximate weight: 1.87 lbs (.85 kg) per sheet based on 1/16" (1.57 mm) thickness.

Cork and rubber material with medium size cork granules held together with a chloroprene rubber binder.

Applications

Recommended for use as pads, bumpers, automotive fluid sealing applications, and general service or gasket applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, air, and automotive fluid sealing.

Style 1132

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	225°F (107°C)
PRESSURE, MAXIMUM	150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm²)
TENSILE STRENGTH (ASTM D710)	8000 psi (55.1 MPa) Crosswise minimum 14000 psi (96.5 MPa) Lengthwise minimum
DENSITY	81.1 lbs/ft³ (1.3 g/cc) Minimum
pH RANGE AT AMBIENT TEMPERATURE	4 to 10
DUROMETER, ROCKWELL ASTM D710	R-80
BOLT TORQUE	
"M" Gasket Factor	1.75 for 1/16" (1.59 mm) thickness
"Y" Gasket Factor	1100 psi (76 bar) for 1/16" (1.59 mm) thickness

Availability

50" (127 cm) x 84" (213.36 cm) sheets with 1/16" (1.59 mm) and 1/8" (3.18 mm) thicknesses. Coils as narrow as .187" (4.76 mm) available.

Approximate weight: 12.3 lbs (5.6 kgs) per sheet based on 1/16" (1.59 mm) thickness.

Manufactured from a selected grade of paper that is treated with special resins and bonded together under high pressure and temperature to form a pliable, yet bone-like hard material.

Applications

Recommended for use in general sealing or gasket applications, and electrical applications. Suitable for general services including petroleum oils, hydraulic fluids, alcohols, gasoline, and other hydrocarbon services.

UTEX

Miscellaneous Sheet Packing

Style 1133

A medium grey wool felt material that is resilient, durable and will not fray when cut.

Applications

Recommended for use as pads, bumpers, dust shields, grease wipers, vibration mountings, oil wicks, and sound deadening insulation. Suitable for petroleum oils and greases, hydraulic fluids, gasoline, and general services.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	-80°F to 200°F (-29° to 93°C)
TENSILE STRENGTH (ASTM D461)	76 psi (.52 MPa) Minimum
DENSITY	11.23 lbs/ft³ (.18 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	3 to 6

Availability

72" wide continuous lengths with thicknesses of 1/8" (3.18 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 3/8" (9.50 mm), 1/2" (12.7 mm), 5/8" (15.88 mm), 3/4" (19.05 mm), and 1" (25.4 mm).

Approximate weight: 3 lbs/yd² (1.6 kg/m²) based on a 1/4" (6.35 mm) thick sheet.

Style 1134

A glycerine glue impregnated cork and vegetable fiber material. Contains 60% fiber and 40% cork by volume making it a soft, compressible material adaptable for low pressure gasket applications.

Applications

Recommended for use as a gasket in automotive, small engine, and general flange gasket applications, especially where flange loads are limited. Suitable for oils, water, gasoline, ethylene glycol, and other general service.

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	250°F (121°C)
PRESSURE, MAXIMUM	100 psi; (6.89 bar); (.69 MPa); (7.03 kg/cm²)
TENSILE STRENGTH (ASTM F152)	1000 psi (6.89 MPa) Minimum
DENSITY	47.3 lbs/ft³ (.76 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	5 to 10
BOLT TORQUE	
"M" Gasket Factor	1.75 for all thicknesses
"Y" Gasket Factor	1100 psi (7.58 MPa) for all thicknesses

Availability:

36" (91.44 cm) wide continuous lengths with 1/64" (.39 mm), 1/32" (.79 mm), 3/64" (1.19 mm), 1/16" (1.59 mm), 3/32" (2.36 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses. Other sizes and thicknesses are available on request.

Approximate weight: 1.1 lbs/yd² (.59 kg/m²) based on 1/32" (.79 mm) sheet

Miscellaneous Sheet Packing

UTEX

Style 1135

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	250°F (121°C)
PRESSURE, MAXIMUM	100 psi; (6.89 bar); (.69 MPa); (7.03 kg/cm²)
TENSILE STRENGTH (ASTM F152)	2000 psi (13.79 MPa) Typical
DENSITY	47.3 lbs/ft³ (.76 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	5 to 10
BOLT TORQUE	
"M" Gasket Factor	1.75 for all thicknesses
"Y" Gasket Factor	1100 psi (7.58 MPa) for all thicknesses.

Availability

36" X 36" (91.44 cm X 91.44 cm) sheets available in 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses. 36" wide continuous lengths available from 1/64" (.39 mm), through 1/8" (3.18mm) thicknesses.

Approximate weight: 1.1 lbs/yd² (.59 kg/m²) based on 1/32" (.79 mm) sheet.

A premium grade of vegetable fiber sheet that is impregnated with a glue-glycerine to provide a strong yet flexible material. The glue-glycerine is rendered insoluble by means of a tanning agent (formaldehyde).

Applications

Recommended for general flange gasket applications. Suitable for oils,water, gasoline, ethylene glycol, and other general services.

Style 1136

PERFORMANCE DATA

TEMPERATURE, MAXIMUM	200°F (93°C)
PRESSURE, MAXIMUM	5 psi; (.34 bar); (.034 MPa); (.35 kg/cm²)
DENSITY	46.7 lbs/ft³ (.75 g/cc) Typical
pH RANGE AT AMBIENT TEMPERATURE	5 to 10
BOLT TORQUE	
"M" Gasket Factor	1.75
"Y" Gasket Factor	1100 psi (7.58 MPa)

Availability

37" x 37" (94 cm x 94 cm) sheet with 1/8" (3.18 mm) thickness.

Approximate weight: 4.6 lbs. (2.09 kgs) per sheet.

Manufactured from wood pulp and pressed into a soft paper board to provide an inexpensive, temporary gasket material.

Applications

Recommended for temporary tank car gaskets, filler cap spouts, flange protectors, and other light duty temporary gasket applications. Suitable for oils, viscous fluids, air, and other general services.

UTEX How We Line Up

Utex Style	Construction Materials	Garlock	Klinger (Thermoseal)	John Crane	Phelps Dodge	Chesterton	Johns Manville	
1110	SBR Red Rubber/cloth impression finish	91		555	7237	100	107	
1112	Chloroprene Rubber	8639		999	7104/7108		104-C	
1113	Nitrile Rubber	8495		900	7126			
1115	Nylon Inserted Chloroprene	7992		998		122NN		
1116	Nylon Inserted Nitrile						109	
1117	Cotton Inserted Chloroprene	8798		777	7332		105	
1120	Closed Cell Chloroprene Sponge							
1121	Natural Rubber	6023						
1122	Nitrile and PVC Blend							
1123	Compressed Non-asbestos/SBR Binder	3200/3400	C-6400	4160				
1125	Compressed Non-asbestos/NBR Binder	ST-706	C-4401	2160	7001	195		
1126	Tacky Glass Cloth w/Wire Insert	6050		872G				
1127	Tacky Glass Cloth							
1128	Compressed Non-asbestos/Wire Insert		C-4408	2161		189		
1129	Cork w/Nitrile Binder							
1130	General Purpose Cork							
1131	Cork w/Chloroprene Binder							
1132	Bone-Hard Fiber Sheet							
1133	Medium Wool Felt							
1134	Cork and Vegetable Fiber Sheet	660						
1135	Vegetable Fiber Sheet	681		444		140	711	
1136	Paper Board							
1137	Compressed Carbon Fiber/NBR Binder	HTC-9800	C-4500			197		
1139	Silica-Alumina Ceramic Fiber							
1140	Virgin PTFE			68B/C				
1142	Vermiculite Coated Glass Cloth		906					
1143	Light Duty Glass Cloth		900					
1144	Medium Duty Glass Cloth	Thermo-Sil				162		
1145	Wire Reinforced Ceramic Cloth		901					
1146	Silica-Quartz Fabric	Thermo-Ceram						
1148	Fiberglass w/Tacky Rubber							
1150	Fluorocarbon Rubber			2005	7187			
1152	EPDM Rubber	8314			7157			
1155	Silicone Rubber			2001				
1156	PTFE Composite Compression Sheet	3504						
1157	Expanded PTFE Sheet							
1158	PTFE Composite	3500						
1159	PTFE Composite/Enhanced Compressibility	3510				196		
1160	Aflas® Rubber							
1161	Nylon Inserted Aflas®							
1164	65 Shore “A” Polyurethane							
1165	95 Shore “A” Polyurethane							
1166	70 Shore “D” Polyurethane							
1175	Spun Ceramic Blanket							
1308	Flexible Graphite Laminate	3123	HL	Crane-Foil		198		
1309	Flexible Graphite/Tanged Steel Core	3125TC	PSM					
1310	Flexible Graphite/316 S.S. Core	3125SS	SLS			199		
1311	Flexible Graphite/316 S.S. Mesh Core	3124						
1313	Flexible Graphite/Hastelloy™ Core							

Teadit	Durabla	Donex	Donit (Slovenia)	TBA (U.K.)	Mamusa (Venezuela)	Burgmann (Germany)	Frenzelit (Germany)	Reinz Talbros (India)	Tombo (Japan)	UTEX Style
										1110
										1112
										1113
										1115
										1116
										1117
										1120
										1121
										1122
NA-1030	8600	670	BA		MM-3070	9544	Nova Press 200		1995	1123
NA-1001	8500	880	BA-S	AF-2100	MM-3078		Nova Press 820	AFM-30		1125
										1126
										1127
NA-1000M		990	BA-R	AF-2150						1128
										1129
										1130
										1131
										1132
										1133
										1134
								Talboid		1135
								Talflex 55		1136
NA-1100		BAF	BA-CF							1137
										1139
										1140
										1142
										1143
					MM-1400FV					1144
										1145
										1146
										1148
										1150
										1152
										1155
										1156
										1157
										1158
										1159
										1160
										1161
										1164
										1165
										1166
										1175
						9590				1308
										1309
										1310
										1311
										1313

Finding The Right Material

UTEX

Temperature (Maximum)*	Pressure (Maximum)*	Tensile Strength	Density	pH Range	Page
250°F	100 psi	500 psi	111 lbs/ft³	4 to 10	15
225°F	150 psi	1,000 psi	83 lbs/ft³	4 to 10	15
250°F	250 psi	1,750 psi	76.8 lbs/ft³	4 to 10	15
250°F	300 psi	—	7.16 lbs/ft³	4 to 10	20
250°F	300 psi	—	5.5 lbs/ft³	4 to 10	20
225°F	300 psi	1,100 psi	6.4 lbs/ft³	4 to 10	21
150°F	100 psi	55 psi	10 lbs/ft³	4 to 10	16
140°F	100 psi	3,000 psi	61 lbs/ft³	4 to 10	16
225°F	250 psi	1,000 psi	96 lbs/ft³	5 to 10	16
450°F	400 psi	1,100 psi	112.4 lbs/ft³	3 to 12	4
750°F	1,400 psi	1,740 psi	112 lbs/ft³	3 to 12	4
400°F	180 psi	—	96 lbs/ft³	2 to 10	6
400°F	100 psi	—	96 lbs/ft³	4 to 9	6
750°F	1,400 psi	3,000 psi	131 lbs/ft³	3 to 12	5
250°F	150 psi	200 psi	32 lbs/ft³	4 to 10	22
250°F	150 psi	100 psi	17 lbs/ft³	4 to 10	22
250°F	150 psi	150 psi	35 lbs/ft³	4 to 10	23
225°F	150 psi	8000/14,000 psi	81.1 lbs/ft³	4 to 10	23
200°F	—	76 psi	11.23 lbs/ft³	3 to 6	24
250°F	100 psi	1,000 psi	47.3 lbs/ft³	5 to 10	24
250°F	100 psi	2,000 psi	47.3 lbs/ft³	5 to 10	25
200°F	5 psi	—	46.7 lbs/ft³	5 to 10	25
850°F	2,000 psi	2,400 psi	87 lbs/ft³	3 to 12	5
2,300°F	150 psi	—	10 lbs/ft³	3 to 13	6
500°F	1,000 psi	1,500 psi	134.2 lbs/ft³	0 to 14	13
1,000°F	—	—	—	3 to 13	7
1,000°F	—	—	—	3 to 13	7
1,000°F	—	—	—	3 to 13	7
2000°F	—	—	—	3 to 13	8
2,000°F	—	—	—	3 to 13	9
1,000°F	180 psi	—	96 lbs/ft³	4 to 9	9
400°F	250 psi	1,000 psi	123 lbs/ft³	3 to 10	17
250°F	150 psi	800 psi	76.8 lbs/ft³	6 to 10	17
400°F	250 psi	500 psi	83.6 lbs/ft³	7 to 12	17
500°F	800 psi	2100 psi	131 lbs/ft³	0 to 14	13
600°F	2,900 psi	1,500 psi	53 lbs/ft³	0 to 14	13
500°F	1,200 psi	2,660 psi	144 lbs/ft³	0 to 14	14
500°F	1,200 psi	2,000 psi	126 lbs/ft³	0 to 14	14
450°F	275 psi	2,000 psi	95.5 lbs/ft³	3 to 10	18
350°F	400 psi	2,880 psi	95.5 lbs/ft³	3 to 10	18
180°F	450 psi	5,320 psi	77.4 lbs/ft³	5 to 10	19
180°F	550 psi	7,000 psi	79 lbs/ft³	5 to 10	19
180°F	750 psi	6,000 psi	79.5 lbs/ft³	5 to 10	19
2,300°F	—	—	4/6/8 lbs/ft³	3 to 13	9
850°/1200°/5423°F	5,000 psi	500 psi	70 lbs/ft³	0 to 14	10
850°/1200°/2750°F	10,000 psi	500 psi	70 lbs/ft³	0 to 14	10
850°/1200°/2750°F	10,000 psi	500 psi	70 lbs/ft³	0 to 14	11
850°/1200°/2750°F	10,000 psi	500 psi	70 lbs/ft³	0 to 14	11
850°/1000°F/1000°F	10,000 psi	500 psi	70 lbs/ft³	0 to 14	12

* SEE SPECIFIC PRODUCT DESCRIPTIONS FOR A COMPLETE RANGE OF TEMPERATURES AND PRESSURES
NOTE: SOME MATERIALS WILL NOT PERFORM IN SERVICES WHERE THE MAXIMUM TEMPERATURE AND MAXIMUM PRESSURES EXIST TOGETHER. CONSULT UTEX ENGINEERING FOR SPECIAL PERFORMANCE PARAMETERS.

Cutting Tools

Utex offers a wide assortment of gasket cutting sets for small and large jobs. Our GC-12 set cuts from 1" in diameter to 22" in diameter. Our GC-36 cuts from 2" in diameter to 70" in diameter. Both come with spare blades.

Another integral part of any gasket operation is a hole punch kit. We offer an excellent quality kit consisting of 14 hardened chrome-nickel steel punches ranging in size from 3/16" to 1" in 1/16" increments. The set comes in a rust-proof toolbox.

Additional Tools Offered By Utex

Utex offer a complete range of packing tools used for the installation and removal of compression packings in pumps and valves. Contact your Utex distributor for a listing of our complete product offering.

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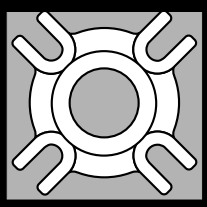
*Weimar: 605 Utex Drive • Weimar, Texas 78962 • 979-725-8503 • 877-469-2829

*Odessa Service Center: 1104 Market Avenue • Odessa, Texas 79761 • 915-333-4151 • 800-873-0946

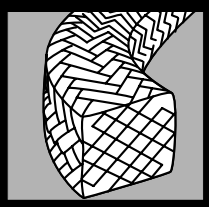
Applied Rubber Technology, Inc.: 116-A Industrial Court • Conroe, Texas 77301 • 936-760-4100

San Benito: 2001 Utex Drive • San Benito, Texas 78586 • 956-399-7771

AccuSeal :1777 Upland, Suite 103 • Houston, Texas 77043 • 832-358-0350

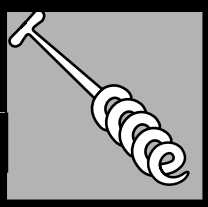


Mechanical Seals

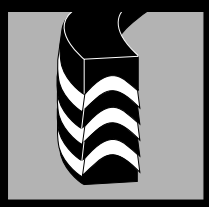


Compression Packing

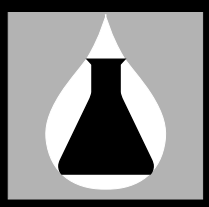
Sheet Packing



Packing Tools



Molded Products



Industrial Chemicals

01/5M

PDN 8888-00-0010-00