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PRODUCT BULLETIN

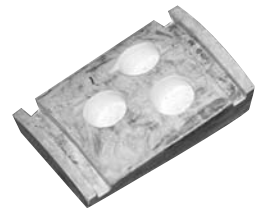
UPB 82
Revision B

October 7, 2002
February 2, 2007

TexTechTM COMPOSITE PLASTICS

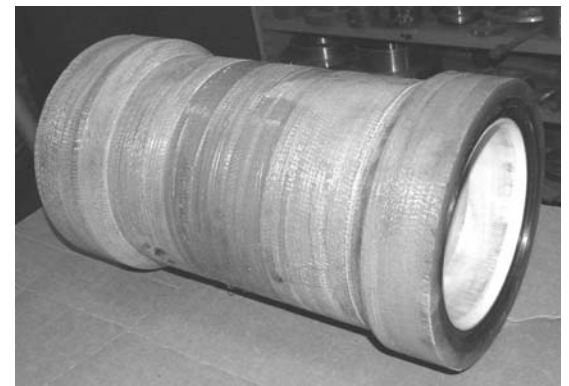


TexTechTM is available as a Thermoplastic Composite or as a Thermoset Composite.



TexTech Thermoplastic Composite consists of a Thermoplastic resin matrix which has been impregnated onto a fiber or fabric. This prepreg is subsequently preformed and compression molded with a specific time, temperature and pressure cycle. Cylindrical bars and cylinders can be made in this process. Currently, maximum solid bar diameter is 2.250" and maximum wall section of cylinders is 1.0". Maximum length of stock shapes is 6.0". Net custom shapes can also be compression molded. Finished machine parts and stock shapes are available.

TexTech Thermoset Composite consists of a Thermoset resin which has been prepregged onto a fiber or fabric. The thermoset composite can be preformed and compression molded into a net shape or can be either filament wound or wrapped onto a mandrel and subsequently autoclave cured. After curing, the final shape or profile can be machined if necessary. With the thermoset composite, larger structural shapes or components can be made. Depending on the resin fiber combination, structures up to 6 feet in length and up to 20" in diameter can currently be produced.



TexTechTM is a trademark of UTEX Industries, Inc.
All information is believed to be accurate, but is given without acceptance of liability. All users should make their own assessment of the suitability of any product for the purposes required.

TYPICAL RESIN FIBER COMBINATIONS

Typical Thermoplastic Matrix Resin	Maximum Use Temp (°F)	Density (g/cc)
Polypropylene	220	0.91
Nylon 6	300	1.15
Polyphenylene Sulfide	450	1.35
Polyetherimide	420	1.28
Polyetherether Ketone	550	1.31

Typical Thermoset Matrix Resin	Maximum Use Temp (°F)	Density (g/cc)
Epoxy Type 80	225	1.21
Epoxy Type 81	350	1.25
Epoxy Type 82	400	1.20
Phenolic Type 59	500	1.25
Phenolic Type 62	500	1.25