



Chemical Compatibility Chart for Plastic

Chemical compatibility charts should be used as general guidelines. For specific applications, please contact Utex technical services.



UTEX INDUSTRIES, INC.

Compatibility Key:

1 = EXCELLENT | 2 = GOOD | 3 = POOR | 4 = DO NOT USE

A

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-------------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Acetaldehyde (Aq 40 %) | 1 | 3 | 2 | | 1 | 3 | | 1 | | 1 | | 1 | 1 | 1 | 4 | 1 |
| Acetic Acid (aq. 40%) | 1 | | 3 | 4 | 2 | | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Acetone | | 1 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | | 1 | 1 | 1 | 1 | 4 | 1 |
| Alcohols, Aliphatic | 1 | | 2 | | 1 | | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 |
| Aluminum Chloride (Aq. 10%) | 1 | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 |
| Aluminum Sulphate (Aq. 10%) | 1 | 1 | | 1 | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonia Gas | | 1 | 3 | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 4 | |
| Ammonium Carbonate (Aq. 10%) | | 1 | 1 | 4 | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium Chloride (Aq. 10%) | 1 | 1 | 1 | 3 | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Amyl Acetate | 1 | 4 | 1 | | | 4 | | 1 | | 1 | | 1 | 1 | 1 | 2 | 1 |
| Anillne | 1 | 1 | 3 | | 1 | 3 | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 1 |
| Antimony Trichoride (Aq. 10%) | | 1 | 3 | | | 1 | | 1 | | | 1 | 1 | | 1 | | |

B

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|----------------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Barlium Chloride (Aq. 10%) | 1 | 1 | 1 | | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Barlium Sulphate (Aq. 10%) | | 1 | | | | 1 | | 1 | | | 1 | 1 | 1 | 1 | | |
| Benzene | | 4 | 1 | 4 | 1 | 4 | 3 | 1 | 1 | | 1 | 1 | 1 | 1 | 3 | 1 |
| Benzene Sul-phonic Acid (Aq 10%) | 3 | 1 | 4 | | | | | 1 | | 3 | 1 | 1 | | 1 | 2 | 1 |

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Bleaching Lye (Aq 10%) | 1 | 2 | 3 | | | 2 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Boric Acid (Aq 10%) | | 1 | 1 | | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 |
| Boron Trifluoride | | 1 | 4 | | | 1 | | | | | | | | | 1 | |
| Bromine Aq. | 1 | 4 | 4 | | | 4 | 3 | 2 | | 1 | 1 | 1 | 1 | | 1 | 1 |
| Butanol | 1 | 1 | 2 | | | | 2 | 1 | | 1 | | 1 | | 1 | | 1 |
| Butyric Acid | | 4 | 3 | | | 4 | | 1 | | | | 1 | 1 | 1 | 1 | 1 |
| Butyric Acid Aq. | | 4 | 2 | | | 4 | | 1 | | | | 1 | 1 | 1 | 1 | 1 |

C

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-------------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Calcium Hypochlorite | | 1 | 4 | 3 | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Camphor | | | 1 | | | | | 1 | | | | | 1 | 1 | | 1 |
| Carbon Tetrachloride | 1 | 4 | 1 | | 1 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Chloral Hydrate | | 4 | 4 | | | 4 | | 1 | | | | | 1 | 1 | 1 | |
| Chlorine (Aq 10%) | | 3 | 4 | | | 2 | 3 | 1 | 1 | | | 1 | 1 | 1 | 2 | |
| Chloroform | 1 | 3 | 4 | 4 | | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Chlorosulphonic Acid (Aq 10%) | | 4 | 4 | | | 3 | | 1 | | | 1 | | 1 | 1 | 4 | 4 |
| Chrome Alum (Aq 10%) | | | 1 | | | | | 1 | | | | 1 | 1 | 1 | 1 | |
| Chromic Acid (Aq 10%) | 1 | 1 | 3 | 3 | | 1 | 2 | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 2 | 2 |
| Citric Acid (Aq 10%) | | 1 | 3 | 1 | | 1 | 2 | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | 1 |
| Creosote | | | 1 | | | * | | 1 | | | | | 1 | 1 | 1 | |
| Cresylic Acid | | 4 | 4 | | | 4 | | 1 | | | 1 | | 1 | 1 | 1 | |
| Cyclohexanol | 1 | 4 | 2 | | | 4 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Cyclohexanone | 1 | 4 | 1 | | | 4 | 3 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | |

D

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|---------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Detergents, Organic | 1 | | 1 | | | | | 1 | | | 1 | 1 | 1 | 1 | | 1 |
| Dibutyl-phthalate | 1 | | 1 | | | | | 1 | | 1 | | 3 | | 1 | 4 | |
| Diesel Oil | 1 | | 1 | | | | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 |
| Dioxan | 1 | | 1 | | 1 | | 3 | 1 | | 1 | 1 | 1 | 1 | 1 | | * |

E

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|--------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Edible Oils | 1 | | 1 | | 1 | | | 1 | | 1 | | | | 1 | 1 | 1 |
| Ether, Diethyl | 1 | | 1 | | 1 | | | 1 | | 1 | | 1 | 1 | 1 | | 1 |
| Ethyl Acetate | 1 | 3 | 1 | 4 | | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| Ethylene Dichloride | | 4 | 2 | | | 4 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ethylene Glycol (Aq 96%) | 1 | 1 | 2 | 3 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

F

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|---------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Ferrous Chloride (Aq 10%) | | | 3 | | | * | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Fluorine | 3 | 3 | 4 | | | 3 | | 4 | | | 1 | | | 3 | 1 | |
| Fluosilicic Acid (Aq 10%) | 1 | 1 | 4 | | | 1 | | | | | 1 | | 1 | | 1 | 1 |
| Formaldehyde(Aq40%) | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Formic Acid (Aq 3%) | 1 | | 2 | 1 | 4 | | 1 | 2 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| Freon 12 (Arcton 12) | | 1 | 1 | 1 | | 1 | | 1 | | | 1 | 1 | 1 | 1 | | 2 |
| Fruit Juices | 1 | 1 | 2 | 3 | | 1 | | 1 | | 1 | 1 | | 4 | 1 | 1 | 1 |

G

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Glycerine | 1 | 1 | 1 | 1 | | 1 | | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 |

H

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Heptane | 1 | | 1 | 3 | 1 | | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Hydrobromic Acid (Aq 10%) | 1 | | 4 | | | 3 | | 4 | | | 1 | 1 | | 1 | 1 | 1 |
| Hydrochloric Acid (Aq 0.4%) | 1 | 1 | | 1 | | 1 | 2 | 1 | | | 1 | 1 | | 1 | 1 | 1 |
| Hydrofluoric Acid (Aq 4%) | 1 | 2 | 3 | 2 | 4 | 1 | 2 | 4 | | 1 | 1 | 1 | 1 | | 1 | 4 |
| Hydrogen Peroxide (Aq 1%) | 1 | | | 1 | | | 2 | 1 | | | 1 | 1 | 1 | 1 | 2 | 1 |
| Hydrogen Peroxide (Aq 3%) | 1 | | 4 | 1 | 4 | | 2 | 1 | | | 1 | 1 | 1 | 1 | 2 | 1 |
| Hydrogen Peroxide (Aq 305%) | 1 | 1 | 3 | 1 | | 1 | 2 | 1 | | | 1 | 1 | 1 | 1 | 2 | 1 |

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Hydrogen Sulphide (Aq 100%) | 1 | 1 | 2 | | 3 | 1 | | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 |
| Hydrogenated Vegetable Oils | 1 | | 1 | | | | | 1 | | 1 | | | | 1 | 1 | 1 |
| Hydroquinone | | 1 | 2 | | | 1 | | 1 | | | 1 | | | 1 | 1 | |

I

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|--------------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Iodine (in Alcohol) | 1 | 4 | 4 | | | 2 | 2 | 1 | | | 1 | | | 1 | 2 | |
| Iodine (in Pot Iodine) (Aq 3%) | 1 | 4 | 4 | | | 2 | 2 | 1 | | | 1 | 1 | | 1 | 1 | |
| Isopropylalcohol | 1 | 1 | 2 | | 1 | 1 | 2 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |

L

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|------------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Lactic Acid (Aq 10%) | 1 | 1 | 3 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lactic Acid (Aq 90%) | 1 | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lead Acetate (Aq 10%) | 1 | 1 | 2 | | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Linseed Oil | 1 | 4 | 1 | 1 | 1 | | | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 |
| Lubricating Oils (Petroleum) | 1 | 3 | 1 | 2 | 1 | 3 | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 |

M

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Magnesium Chloride (Aq 10%) | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Maleics Acid | | 1 | | | | 1 | | 1 | 1 | | 1 | 1 | 1 | | 1 | |
| Malonic Acid Aq. | 1 | | | | | | | 1 | | | | | | 1 | | |
| Mercuric Chloride (Aq 6%) | 2 | 1 | 3 | | 2 | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | |
| Methyl Acetate | 1 | * | 1 | | 2 | | | 1 | | | | | 1 | 1 | 1 | 1 |
| Methyl Chloride | 1 | 4 | 3 | 4 | 3 | 4 | 3 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Methyl Ethyl Ketone | 1 | 4 | 1 | 4 | 2 | 4 | 3 | 1 | | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| Milk | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | | 1 | 1 | 1 |
| Mineral Oils | 1 | 2 | 1 | 3 | 1 | 3 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

N

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|--------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Naphthalene | 1 | 2 | 1 | | | 2 | | 1 | | | 1 | 1 | 1 | 1 | 3 | 1 |
| Nickel Sulphate (Aq 10%) | 1 | 1 | 1 | 1 | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Nitric Acid (Aq 10%) | 2 | | 4 | | 4 | | 2 | 1 | 4 | | 1 | 3 | 1 | 1 | 2 | 1 |
| Nitric Acid (Aq 0.1%) | 1 | 1 | 3 | 1 | 4 | 1 | 2 | 1 | 4 | | 1 | 2 | 1 | 1 | 1 | |

O

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Oleic Acid | 1 | 1 | 1 | 3 | 3 | 2 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 |
| Oxalic Acid (Aq 10%). | 1 | 1 | 3 | | 3 | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 3 | 1 |
| Ozone | 1 | 4 | 3 | 4 | 3 | 3 | 1 | 1 | | | 1 | 1 | 1 | 1 | 2 | |

P

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Paraffin | 1 | | 1 | | 1 | | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 |
| Perchloric Acid (Aq 10%) | 1 | 2 | 4 | | 3 | 3 | | 1 | | | 1 | 1 | | 1 | 1 | |
| Petrol | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 | | 2 | 1 | 1 | 1 |
| Phenol (Aq 75%) | 1 | | 4 | | 4 | | 2 | 4 | 1 | | 1 | 1 | 1 | 1 | 3 | |
| Phosphoric Acid (Aq 0.3%) | 1 | 1 | | 3 | * | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Phosphoric Acid (Aq 10%) | 1 | | 4 | | 3 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Phosphoric Acid (Aq 3%) | 1 | | | | 3 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Phthalic Acid (Aq 100%) | | | 2 | | | | | 1 | 1 | | | 1 | 1 | 1 | 2 | |
| Potassium Bicarb. (Aq 60%) | 1 | 1 | 1 | | | 1 | | 1 | 4 | | | 1 | 1 | 1 | 1 | 1 |
| Potassium Chloride (Aq 90%) | | 1 | 1 | 1 | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Potassium Ferrocyanide Aq. | 1 | | 1 | | | | | 1 | | | 1 | 1 | 1 | 1 | 1 | |
| Propane Gas | 1 | 4 | 1 | | | 3 | | 2 | | | 1 | 1 | 1 | 1 | 1 | 1 |

S

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Salicylic Acid | 1 | | 1 | | | | | 1 | | | 1 | 1 | 1 | 1 | 1 | |
| Silicone Fluids | 1 | | 1 | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|---|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Silver Nitrate | 1 | 1 | 1 | | 1 | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Soap Solutions | 1 | 1 | 1 | | 1 | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium Acetate (Aq 60%) | 1 | 1 | 2 | | | 1 | | 1 | 4 | | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium Bicarbonate (Aq 50%) | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium Hypochlorite 15% (Chlorine Bleach) | 1 | 1 | 4 | 1 | 3 | 1 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| Sodium Nitrate (Aq 50%) | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 |
| Stannic Chloride (Aq 10%) | | 1 | 3 | | | 1 | | 1 | | | | 1 | | 1 | 1 | 1 |
| Stearic Acid | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | |
| Styrene (Monomer) | | | 1 | | | | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Sulphur Dioxide (100 % Gas) | 1 | 1 | 2 | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Sulphuric Acid (Aq 2%) | 1 | 1 | 3 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Sulphuric Acid (Aq 5%) | 1 | | 4 | | 4 | | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Sulphurous Acid (Aq 10%) | 1 | 1 | 4 | | 3 | 1 | 1 | 1 | 2 | | 1 | | 1 | 1 | | |

T

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|------------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Tallow | 1 | 1 | 1 | | | | | 1 | | 1 | | | | 1 | 1 | 1 |
| Tar | | | 2 | | | | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 |
| Toluene | 2 | 4 | 1 | 4 | 1 | 4 | 3 | 1 | 1 | 1 | | 1 | 1 | 1 | 2 | 1 |
| Transformer Oil | 1 | | 1 | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Trichlorethylene | 2 | 4 | 2 | | 2 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Triethanolamine | 1 | 1 | 1 | | | 1 | | 1 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| Trisodium Phosphate (Aq 95%) | | 1 | | | | 1 | | 1 | | | 1 | 1 | | 1 | | 1 |
| Turpentine | 1 | 4 | 1 | 4 | 1 | 4 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

U

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Urea | 1 | 1 | 1 | | 1 | 1 | | 1 | | * | 1 | 1 | 1 | 1 | 1 | 1 |

V

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|----------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Vaseline | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 |
| Vegetable Oils | 1 | | 1 | | 1 | | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 |
| Vinegar | 1 | 1 | 3 | | 2 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Vinyl Chloride | | | 1 | | | | | 1 | | | | | | 1 | 1 | 1 |

W

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Water | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wax (Molten) | 1 | | 1 | | 1 | | | 1 | | 1 | 1 | | 1 | 1 | | 1 |
| White Spirit | 1 | | 1 | | 1 | | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Wines and Spirits | 1 | | 2 | 1 | | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

X

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|-----------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Xylene | 2 | 4 | 4 | | | 4 | 3 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Xylenol | | | 4 | | | | | 1 | | 1 | | 1 | 1 | 1 | | |

Z

| CHEMICALS | UHMWPE | HDPE | PA | PC | POM | PP | PS | PEEK | PI | PAI | E-CTFE | ETFE | FEP | PTFE | PVDF | PPS |
|------------------------|--------|------|----|----|-----|----|----|------|----|-----|--------|------|-----|------|------|-----|
| Zinc Chloride (Aq 10%) | 1 | 1 | 3 | 3 | | 1 | | 1 | | | | 1 | | 1 | 1 | 1 |

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📍 www.utexind.com

☎ 855.980.0413

✉ info1@utexind.com