

ELASTOMER SELECTION TABLE

E - Excellent
G - Good
F - Fair
U - Unsatisfactory

Metal Elastomer

*Iron
Steel
Aluminum
Magnesium
Epoxy
DM
NBR
Viton
Natural Rubber*

Metal Elastomer

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Steel
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Magnesium
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Chemical agents

| | | |
|-----------------------------|---------|---------|
| Acetaldehyde | U E U F | G U - F |
| Acetic acid 50% 50°C | U E U F | G U U U |
| Acetic acid - Anhydride | U E U F | U U U U |
| Acetone | G E E E | G U U U |
| Acetylene | G E E - | F U U U |
| Acrylonitrile | G E E E | U U U U |
| Air (Dry) | E E E E | E E - - |
| Alcohol - Amyl | F E E E | - F G - |
| Alcohol - Butyl | F E E E | - F - - |
| Alcohol - Ethyl | U E E E | E G G G |
| Alcohol - Methyl | U E E E | E G U G |
| Alum - Ammonium | U G - - | - G G F |
| Alum - Chrome | U G - - | - G G F |
| Alum - Potassium | U G - - | - E - - |
| Alumina | G G G G | E E G G |
| Aluminum Chloride | U U U E | E E E E |
| Aluminum Fluoride | U G - G | - G G - |
| Aluminum Hydroxide | U G - - | - G G - |
| Aluminum Sulphate | U G U - | - E - - |
| Amines | U E - - | - F - - |
| Ammonia, Anhydrous | F E U - | E G U - |
| Ammonia gas 150°F | U E U - | G - - - |
| Ammonia solutions | F E U G | E G U G |
| Ammonium Chloride 50% 180°F | U G U G | - - - - |
| Ammonium Hydroxide | U E U F | E U G U |
| Ammonium Nitrate 5% 60°F | F E U G | - E - - |
| Ammonium Phosphate | U G U G | E E - G |
| Ammonium Sulphate | U G U G | E E E - |
| Amyl Acetate | F E E G | - U F U |
| Amylchloride | F E E - | U U U U |
| Aniline 90% 70°F | F E F - | G U G U |
| Asphalt | E E E E | - U E U |
| Barium Carbonate 60°F | U - G G | E E - - |
| Barium chloride | U - G E | E E E E |
| Barium Hydroxide | F E U - | - E - U |
| Barium sulphate | U E G G | E E E E |
| Barium sulphide | F E U - | - E - - |
| Beer (beverage) | U E U - | E - - - |
| Beer sugar solution | U E U - | - E - - |
| Benzaldehyde | F E E - | G U U U |
| Benzene (benzol) 70°F | F E E G | U U G U |
| Benzole Acid 5% | U E - G | - F - - |
| Borax | U E U E | - G - G |
| Boric acid 5% 200°F | U E F G | E E - - |
| Brine | U - - G | E E - - |
| Bromine - Gas | U U - F | U U G U |
| Bromine - Water | U U - F | U U G U |
| Butadiene | F E - - | - G G - |
| Butane - Butylene | G E E E | U G G U |
| Butyl Acetate | G E E - | E U U U |

Chemical agents

| | | |
|-----------------------------|---------|---------|
| Butyric Acid 5% | U E - - | U U U U |
| Calcium carbonate 60°F | F - - E | E E E E |
| Calcium chloride 20% | - E - G | - - - - |
| Calcium chloride | F G F G | E E E E |
| Calcium chloride solution | F E F - | E E E G |
| Calcium Hydroxide 50% 175°F | F E U E | E E E E |
| Calcium Hypochlorite | - G - - | - F - - |
| Calcium Sulphate | F E E G | E E E E |
| Carbon Dioxide | F E E - | G G E G |
| Carbon Tetrachloride | U G F G | U U E U |
| Carbonic Acid | U G - G | - E - - |
| Chlorine gas - dry 70°F | U G F F | U U F U |
| Chlorobenzene 90% | F E E E | U U G U |
| Chromic Acid 5% 70°F | U E U - | U U E U |
| Citric acid 5% 150°F | U E F G | E G E U |
| Coffee (food) | U E U - | E U E E |
| Copper Sulphate | F E U U | E E E G |
| Cyclohexane | F E E - | U E E U |
| Dextrose (food) | U E - - | - E - - |
| Diacetone | U - E - | E U U U |
| Dichloroethane | U F - - | U U G U |
| Diesel Fuels | F E G E | U E E - |
| Diethyl Amine | F E E - | F U U F |
| Dowtherms | G E E - | U U E U |
| Drilling Mud | G F - E | U E - U |
| Ethers | U E E G | U U - U |
| Ethyl Acetate | F E - E | G U U U |
| Ethyl Chloride 5% | F E E G | E E E F |
| Ethyl Glycol | G E E E | E E E G |
| Ethylene Oxide | G E - - | U U U U |
| Fats | E E E - | U E - - |
| Ferric Chloride | U - U E | - F - - |
| Ferric Nitrate | U E - E | G F - - |
| Ferrous Sulphate 5% | U G U E | - E E - |
| Ferrous Sulphate | F E U - | G E G G |
| Fluorine | U U U G | - G - - |
| Formic Acid | U G E - | - E - - |
| Formaldehyde 70°F | U E E G | E G E - |
| Formic acid 5% 150°F | U E E G | - U U U |
| Freon | F E E E | U G G U |
| Fruit Juices (food) | U E U - | G G - - |
| Fuel Oil | F E E G | U F E U |
| Gallic Acid 5% 200°F | U E - - | - G G - |
| Gasoline | F E G G | U E E U |
| Glucose | U E G G | - E E - |
| Glycerine/Glycerol | F E G G | - E E - |
| Heptane | F E E - | U E E U |
| Hexane | F E E - | U G E U |
| Hydrobromic Acid 200°F | U U U U | U U U U |
| Hydrochloric Acid 15% 60°F | U U U U | E U E - |