

Material Selection Guide

The following table summarizes industry wide corrosion data, data from materials' suppliers, and Lutz-JESCO America Corporation's comprehensive knowledge of chemicals and chemical metering.

Due to the subjective and changeable nature of this data, we neither guarantee nor accept responsibility for use of this information. It is presented so that the end-user can make an informed decision when choosing materials. The actual selection or verification of suggested materials must be done by the end-user. There are additional notes after this chart to further assist you.

Conditions under which these statements are made: Chemical resistance of materials is dependent on:

- | | |
|--------------------------|--|
| ■ Temperature: 68°F/20°C | ■ Temperature |
| ■ Chemicals in solution | ■ Pressure |
| ■ Viscosity: water-like | ■ Concentration of chemical or additives |
| ■ Pressure: ambient | ■ Purity of chemical |

If using a process fluid not listed on this chart, please contact:

- Manufacturer of chemical
- Lutz-JESCO America Corporation's Application Department

Key to Ratings

- A** Very good Resistance. Being used successfully.
- B** Moderate Resistance. Limited use or where moderate corrosion is acceptable.
Application might need further testing.
- C** Poor Resistance. Considerable corrosion. Material not recommended.
- Insufficient data to establish recommendation.

LEGEND: Materials of Construction

	Material	Designation
Metals	Ductile/Cast Iron	Iron
	Steel	Steel
	18-8/304 Stainless Steel	304 SS
	316 Stainless Steel	316 SS
	Alloy 20/Carpenter 20	Alloy 20
	Hastelloy C [®]	Hastelloy C [®]
Plastics	Polymethyl methacrylate/PMMA	Acrylic
	SAN / Styrene Acrylonitrile	Lustran [®]
	Polyvinylchloride	PVC/Clear PVC
	Chlorinated Polyvinylchloride	CPVC
	Polyethylene (high density)	HDPE
	Polypropylene (virgin)	PP
	Polyvinylidene Fluoride/Kynar [®]	PVDF
	Polytetrafluoroethylene/Teflon [®]	PTFE
Elastomers	Chlorine Sulphonyl Polyethylene/CSM	Hypalon [®]
	Fluoroelastomer Dipolymer/FPM	Viton [®]
	Ethylene Propylene Diene Monomer	EPDM

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Lustran[®] SAN (styrene-acrylonitrile) is a registered trademark of Lustran Polymers.

Kynar[®] is a registered trademark of Pennault Corp./ Elf Atochem North America.

*Hypalon[®], Viton[®] and Teflon[®] are registered trademarks of Dupont.

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