

## RESISTANCE RATING

<b>A</b>	Good Resistance:	Usually suitable for service.
<b>B</b>	Fair Resistance:	Chemical has some deteriorative effects, but the elastomer is still adequate for moderate service.
<b>C</b>	Depends on Condition:	Moderate service may be possible if chemical exposure is limited or infrequent.
<b>D</b>	Not Recommended:	Unsuitable for service.

	Natural Rubber SBR	Butyl	Nitrile	Neoprene	Hypalon®	EPDM	FKM / Viton®	X-Linked Polyethylene	Modified X-Link	UHMWPE	FEP / Teflon®	
Methyl Salicylate	D	D	B	D	D	D	B	C	B	A	B	A
Methyl tert-Butyl Ether (MTBE)	D	D	D	D	D	D	D	D	A	B	D	D
Mineral Oil	D	C	D	A	B	B	D	A	-	-	-	A
Mineral Spirits	D	D	D	A	B	D	D	A	A	A	A	A
Monochlorobenzene	D	D	D	D	D	D	A	A	A	B	A	A
Monochlorodifluoromethane (Freon 22)	D	D	A	D	A	D	A	D	A	-	A	A
Monoethanolamine	TITAN HOSE NOT AVAILABLE											
Monomethylether	B	B	A	A	A	C	A	C	A	-	A	-
Monovinyl Acetate	D	D	B	D	D	C	C	A	A	-	A	-
Motor Oil	D	D	D	A	A	D	D	A	A	A	A	A
Muriatic Acid	-	-	-	-	C	A	A	A	A	A	A	A
Naphtha	D	D	D	A	B	D	D	A	A	A	A	A
Napthalene	D	D	D	D	D	D	D	A	A	-	A	A
Napthenic Acid	D	D	D	C	D	D	D	A	A	A	A	A
Natural Gas	CONTACT TITAN TECHNICAL											
Neatsfoot Oil	D	D	B	A	B	B	B	A	A	A	A	A
Neu-Tri (Trichloroethylene)	D	D	D	C	D	D	D	A	B	B	B	A
Nickel Acetate	D	D	A	D	D	D	B	D	A	A	A	A
Nickel Chloride	A	A	A	A	A	A	A	A	A	A	A	A
Nickel Nitrate	A	A	A	A	A	A	A	A	A	A	A	A
Nickel Plating Solution	A	D	B	B	C	B	B	A	A	A	A	A
Nickel Sulfate	A	A	A	A	A	A	A	A	A	A	A	A
Niter Cake	A	A	A	A	A	A	A	A	A	A	A	A
Nitric Acid, 10%	D	D	C	D	C	A	C	C	A	A	A	A
Nitric Acid, 20%	D	D	B	D	D	B	C	A	A	A	A	A
Nitric Acid, 30%	D	D	B	D	D	C	C	A	B	A	B	A
Nitric Acid, 30-70%	D	D	C	D	D	C	D	C	B	C	D	A
Nitric Acid, Red Fuming	D	D	D	D	D	D	D	D	-	D	A	
Nitrobenzene	D	D	D	D	D	D	D	B	A	A	B	A
Nitrogen Gas	A	A	A	A	A	A	A	A	A	A	A	A
Nitrogen Tetraoxide	D	D	D	D	D	D	D	D	-	D	A	
Nitromethane	B	B	B	D	C	C	B	D	A	-	A	A
Nitropropane	C	C	A	D	C	C	B	D	A	A	A	A
Nitrous Oxide	A	A	A	A	A	A	A	A	A	A	A	A
Octadecanoic Acid	D	D	B	A	B	D	C	C	A	A	A	A
Octane	D	D	D	A	B	D	D	A	B	B	B	A
Octanol (Octyl Alcohol)	B	B	B	B	A	B	B	A	A	A	A	A
Octyl Acetate	D	D	A	D	D	D	B	D	A	B	A	A
Octyl Amine	CONTACT TITAN TECHNICAL											
Octyl Carbinol	A	A	A	A	A	A	A	B	A	A	A	A
Octylene Glycol	A	A	A	A	A	A	A	A	A	A	A	A
Oil, Petroleum	D	D	D	A	A	C	D	A	A	A	A	A
Oil, ASTM #1	D	D	D	A	A	B	D	A	-	-	-	A

	Natural Rubber SBR	Butyl	Nitrile	Neoprene	Hypalon®	EPDM	FKM / Viton®	X-Linked Polyethylene	Modified X-Link	UHMWPE	FEP / Teflon®	
Oil, ASTM #2	D	D	D	A	A	C	D	A	-	-	-	A
Oil, ASTM #3	D	D	D	A	B	C	D	A	-	-	-	A
Oleic Acid	D	B	B	B	C	B	B	C	A	A	A	A
Oleum (Fuming Sulfuric Acid)	D	D	D	D	D	D	D	D	D	D	D	A
Olive Oil (Non FDA)	D	D	B	A	B	B	B	A	A	A	A	A
Orthodichlorobenzene	D	D	D	D	D	D	D	A	B	B	B	A
Oxalic Acid	B	C	A	B	B	A	A	A	A	A	A	A
Oxygen, Cold	B	C	A	C	A	B	A	A	A	A	A	A
Oxygen, Hot	B	C	A	C	A	D	A	A	A	-	A	A
Ozone	D	C	B	D	B	A	A	A	A	B	A	A
Paint Thinner (Duco)	D	D	D	D	D	D	D	C	A	B	A	A
Palmitic Acid (Hexadecanoic Acid)	D	B	B	A	A	B	B	A	A	A	A	A
Palm Oil	D	D	A	A	B	B	B	A	A	A	A	A
Papermaker's Alum	A	A	A	A	A	A	A	A	A	A	A	A
Paradichlorobenzene	D	D	D	D	D	D	D	A	B	-	B	-
Paraffin	D	D	D	A	A	D	D	A	D	A	D	A
Paraformaldehyde	D	D	B	B	B	B	B	C	A	-	A	A
Peanut Oil	D	D	C	A	B	B	D	A	A	A	A	A
Pentane	D	D	D	A	A	B	D	A	A	-	A	A
Perchloroethylene	D	D	D	C	D	D	D	A	A	B	C	A
Perchloric Acid	B	B	B	D	A	A	B	A	A	B	A	A
Petrolatum	D	D	D	A	A	C	D	A	A	-	A	-
Petroleum, Crude	D	D	D	A	B	C	D	A	A	A	D	A
Petroleum Ether (Naphtha)	D	D	D	A	A	D	D	A	A	A	A	A
Petroleum Oils	D	D	D	A	A	C	D	A	A	A	A	A
Phenol	C	C	B	D	C	C	C	A	A	B	A	A
Phenol Sulfonic Acid	D	D	C	D	C	D	C	A	B	B	B	A
Phenyl Chloride	D	D	D	D	D	D	D	A	A	B	A	A
Phenylhydrazine	C	D	B	D	D	C	C	A	-	A	-	
Phorone	D	D	A	D	D	D	B	C	A	A	A	A
Phosphate Esters	D	D	A	D	D	D	A	C	A	-	A	-
Phosphoric Acid, 10%	A	A	A	A	A	A	A	A	A	A	A	A
Phosphoric Acid, 10-85%	C	C	A	C	B	A	A	A	A	B	A	A
Phosphorous Trichloride	D	D	A	D	D	D	A	A	A	-	A	-
Pickling Solution	C	C	C	C	C	C	C	C	B	A	B	A
Picric Acid, Molten	C	C	C	C	C	B	C	C	D	B	D	A
Picric Acid, Water Soln.	A	C	A	B	B	A	B	C	A	B	A	A
Pinene	D	D	D	A	D	D	D	A	A	A	A	A
Pine Oil	D	D	D	C	C	D	D	B	A	A	A	A
Piperidine	D	D	D	D	D	D	D	D	B	C	B	A
Pitch	D	D	D	B	B	C	D	C	A	B	A	A
Plating Solution, Chrome	D	D	A	B	B	C	A	B	A	A	A	A
Plating Solution, Others	A	A	A	B	B	C	A	B	A	-	A	-
Polyvinyl Acetate Emulsion (PVA)	C	C	A	C	B	B	A	C	A	-	A	A

These charts are offered as a guideline only. If there is any question about the resistance of a listed elastomer, please



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