

CHEMICAL & SOLVENT RESISTANCE GUIDE

Relative Ratings: 5-Excellent 4-Above Average 3-Average 2-Fair 1-Poor									
	Natural	Neoprene	Nitrile	PVC Nitrile	Hypalon	EPDM	Silicon	Fluoro	XNBR
Acids	2	4	2	3	5	5	3	5	2
Caustics	3	4	3	3	5	5	4	5	3
Aliphatic Hydrocarbons	1	3	5	5	3	1	2	5	5
Aromatic Hydrocarbons	1	2	2	2	2	2	2	5	2
Chlorinated Hydrocarbons	1	1	1	1	1	1	3	5	1
Esters	2	2	1	1	2	4	3	3	1
Alcohols	5	4	5	5	4	4	4	2	4
Glycols	5	4	5	5	4	4	4	4	3
Ketones	2	2	2	3	2	5	2	1	2

ACIDS – (MINERAL)	Nitric Acid, Sulphuric Acid, Phosphoric Acid
ACIDS – (ORGANIC)	Acetic Acid, Boric Acid
CAUSTICS	Sodium Hydroxide, Calcium Hydroxide
ALIPHATIC HYDROCARBONS	Kerosene, Petrol, Hexane, Naptha, Mineral Spirits
AROMATIC HYDROCARBONS	Toluene, Xylol or Xylene
CHLORINATED HYDROCARBONS	Methylene Chloride, Genklene LV, Trichloroethylene, Perchloroethylene
ESTERS	Ethyl Acetate, Normal Propyl Acetate, Isopropyl Acetate, Cellosolve, Dioctyl Phthalate, Tricresyl Phosphate
ALCOHOLS	Ethanol, Methanol, Isopropyl Alcohol, Isobutyl Alcohol
GLYCOLS	Mono Ethylene Glycol, Di Ethylene Glycol, Glycerine, Triethylene Glycol
KETONES	Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Cyclohexanone, Diacetone Alcohol

PHYSICAL PROPERTY CHART

Relative Ratings: 5-Excellent 4-Above Average 3-Average 2-Fair 1-Poor									
	Natural	Neoprene	Nitrile	PVC Nitrile	Hypalon	EPDM	Silicon	Fluoro	XNBR
Tensile Strength	4	4	3	3	3	2	1	3	5
Elongation at Break	5	5	3	3	3	3	2	3	3
Tear Strength	5	4	3	3	3	2	1	3	5
Cut Resistance	4	4	3	3	4	2	1	3	5
Resilience	5	4	3	2	3	3	5	3	2
Resistance to Compression Set	3	3	3	2	3	3	5	3	2
Resistance to Permanent Set	4	4	3	2	3	3	4	3	3
Resistance to Heat Build Up	5	5	2	2	2	2	5	2	2
Resistance to Abrasion	5	3	3	4	3	3	1	2	5
Ozone Resistance	1	3	1	3	5	5	5	5	1
Dielectric Strength	2	3	1	2	5	1	5	3	1
Maximum Service Temperature (°C)	100°	121°	121°	121°	149°	177°	260°	260°	260°