



Mid American Rubber

Manufacturers of Precision Rubber Rollers

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RUBBER PROPERTY COMPARISON CHART

PROPERTY/MATERIAL	RATINGS: E = EXCELLENT G = GOOD F = FAIR P = POOR										
	BUNA-N NITRILE	EPDM	HNBR	HYPALON	NATURAL RUBBER	NEOPRENE	PVC/NBR	PURE SILICONE	SILICONE BLEND	URETHANE	XNBR
Tensile Strength	F	F	E	G	G-E	G-E	G	P	F	E	E
Hardness Range	20-100	25-90	45-98	45-85	30-100	10-95	20-80	35-95	40-90	10-100	45-95
Max. Service Temp °F	250	350	350	300	212	250	250	500+	400	212	275
Ozone Resistance	P	E	E	E	P	F-G	G	E	E	E	P
Cut Resistance	F	F	E	F-G	G	G	F	P*	F	E	E
Abrasion Resistance	F-G	F	E	G	G-E	G-E	G-E	P*	F	E	E
Tear Strength	F	F	E	G	G	G	G	P*	F	E	E
RESISTANCE TO:											
Compression Set	F-G	G	G	F	F	G	P	E	G	F-G	F
Heat Build Up	P	F-G	G	P-F	E	E	P	G-E	F	E	P
ASTM #1 Oil	E	P	E	F-G	P	F-G	E	G	P	E	E
ASTM #3 Oil	E	P	E	F	P	F	E	F	P	E	E
Reference Fuel B	G-E	P	G	P	P	F	G-E	P	P	E	G
Ketones: MEK	P	E	F	F	E	F	P	F	E	P	P
Aromatics: Toluene	G-E	P	E	P	P	P-F	G	P	F	E	G
Aliphatics: Hexane	E	P	G	G	P	G	E	P	P	E	E
Ethyl Acetate	P-F	E	P	F	E	G	P	G	G	P-F	P
Cellosolve	F	E	F	G	E	E	P	E	G	P-F	F
Methylene Chloride	P	P	G-E	P	E	P	P	F	F	P	P
Trichloroethylene	P	P	G-E	P	P	P	P	P	F	P	P
Diethylene Glycol	E	E	G-E	E	E	E	E	E	E	G	G
Isopropyl Alcohol	G-E	E	E	E	E	G-E	E	G	E	G	G-E
Water (75 °F)	G	E	F	E	E	G	G-E	G	G-E	G	G
Caustics: 10% NaOH	G-E	G	G-E	E	E	G-E	G	E	G-E	P	G
Acids: H2SO4	G-E	G	G	E	E	G-E	G	E	G-E	P	G

The above are general guidelines. Please contact Mid American Rubber for specific recommendations and availability of other materials

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