



## COMPOUND SELECTION GUIDE

<b>E</b>	<b>Excellent</b>	<b>H</b>	<b>High</b>
<b>G</b>	<b>Good</b>	<b>M</b>	<b>Medium</b>
<b>F</b>	<b>Fair</b>	<b>L</b>	<b>Low</b>
<b>P</b>	<b>Poor</b>		

BASE ELASTOMER	Natural Rubber (Polyisopren)	GRS/SBR (Styrene Butadiene)	EPDM (Ethylene Propylene)	Neoprene (Chloropren)	Nitrile (Butadiene/ Buna-N)	Hypalon	Silicone (Polysiloxane)
Compound Number (Standard Durometer)	15019	26012	96014	36024	45009		65200
Durometer range	25-95	25-95	25-90	25-95	25-95	40-90	50-80
Elongation Max %	700	600	600	600	600	500	700
SAE J200-ASTM D-2000 Classification	AA	AA BA	AA BA CA DA	BC BE	BF BG BK	SC	FC FE GE
Maximum Tensile Strength-PSI	3200	2800	2800	2800	2800	2800	1000
Resilience	H	M	G	H	F	F	M
Impact Strength	E	E	G	E	G	F	F
Abrasion Resistance	E	E	G	E	E	E	P
Tear Resistance	E	F	F	G	G	E	F
High Temp. Usage (°F)	180	180	300	225	250	225	550
Low Temp. Usage (°F)	-45	-45	-45	-40	-40	-50	-140
Oil Resistance	P	P	P	E	E	G	G
Fuel Resistance	P	P	F	G	E	E	P
Weather Aging	F	F	E	G	G	E	E
Oxidation	F	F	E	E	F-G	F	E
Heat Aging	G	G	E	E	G	E	E
Water Swell Resistance	F	E	E	G	E	F	E
Flame Resistance	P	P	P	E	P	G	E
Adhesion To Metal	E	E	G	E	G	E	E
Electrical Resistivity	E	E	E	F	F	F	E
Typical Applications	Tires and tubes, gaskets, belts, hoses, seals, shock mounts	Same as Natural Rubber	Auto parts, molded parts, electrical insulation, dust covers, weather stripping and conveyor belts	Petroleum and chemical, automotive gaskets and seals, molded parts, footwear and weather-stripping	Gasoline and oil resistant hoses, gaskets and seals, rollers, o-rings, shock and vibration mounts	Similar to neoprene except with improve resistance. Recommended with water applications	General application where resistance to extreme heat is required

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