



Rubber Products Distributors

E=Excellent G=Good F=Fair P=Poor H=High M=Medium L=Low

Base Elastomer	Natural Rubber (Polyisoprene)	GRS/SBR (Styrene Butadiene)	EPDM (Ethylene Propylene)	Neoprene (Chloroprene)	Nitrile (Butadiene Acrylonitrile)	Fluorocarbon	Silicone (Polysiloxane)
Compound Number (Standard Durometer) Black	5	1	3	4	2	14	8
Standard Durometer	50	60	60	60	50	60	50
Custom Durometer	40,60,70,80	40,50,70,80	40,50,70,80	40,50,70,80	40,60,70,80	40,50,70,80	40,60,70,80
SAE J200- ASTM D-2000 Classification	AA	AA BA	AA CA BA DA	BC BE	BF BK BG	HK	FC FE GE
Maximum Tensile Strength- PSI	3500	2500	2500	3000	3000	2000	1000
Resilience	H	M	M	H	L	L	M
Impact Strength	E	E	G	E	G	G	F
Abrasion Resistance	E	E	G	E	E	G	P
Tear Resistance	E	F	F	G	G	G	F
Maximum Service Temp. Deg. F	180	180	300	225	250	500	550
Minimum Service Temp. Deg. F	-60	-60	-70	-40	-60	-25	-178
Oil Resistance	P	P	P	E	E	E	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	E	E
Heat Aging	G	G	E	E	G	E	E
Water Swell Resistance	F	E	E	G	E	E	E
Flame Resistance	P	P	P	E	P	E	E
Adhesion To Metal	E	E	G	E	G	G	E
Electrical Resistivity	E	E	E	F	F-G	G	E
Typical Applications	Tires and tubes, gaskets, belts, hoses, seals, shock mounts	Same as Natural Rubber	Auto parts, electrical insulation, dust covers, weather stripping & conveyor belts	Petroleum and chemical tank linings,automotive gaskets & seals, molded parts, footwear & weather stripping	Gasoline and oil resistant hoses, gaskets & seals, rollers, o-rings, shock & vibration mounts	O-rings, shaft seals, valve parts, packings, diaphragms, gaskets & pump parts	Parts subjected to extremely high or low temperatures, seals gaskets, o-rings & bellows