

<b>BASE ELASTOMER</b> E-Excellent G-Good F-Fair P-Poor H-High M-Medium L-Low	SAE J200-ASTM D-2000 CLASSIFICATION	DUROMETER	MAXIMUM TENSILE STRENGTH	EXPANSION % (MAX)	RESILIENCE	IMPACT	ABRASION RESISTANCE	TEAR RESISTANCE	MAXIMUM SERVICE TEMPERATURE (°F)	MINIMUM SERVICE TEMPERATURE (°F)	OIL RESISTANCE	FUEL RESISTANCE	WEATHER & UV RESISTANCE	OXIDATION	HEAT RESISTANCE	SWELL FACTOR	FLAME RESISTANCE	BONDING TO METAL	<b>POSSIBLE APPLICATIONS</b>
NATURAL RUBBER (POLYISOPRENE)	AA	30-90	3500	650	H	E	E	E	180	-60	P	P	F	F	G	F	P	E	TIRES, GASKETS, BELTS, HOSES, SEALS, SHOCK MOUNTS, GROMMETS, BUMPERS
SYNTHETIC RUBBER (SYNTHETIC POLYISOPRENE)	AA	40-80	2500	650	H	E	E	G	180	-60	P	P	F	F	G	E	P	E	IDENTICAL TO NATURAL RUBBER
BUTADIENE (POLYBUTADIENE)	AA	40-90	2500	450	H	G	E	G	200	-65	P	P	F	G	F	E	P	E	HELPS TO PROVIDE RESILIENCE, BETTER LOW TEMPERATURE PROPERTIES AND ABRASION RESISTANCE
GRS/SBR (STYRENE BUTADIENE)	AA BA	40-80	2500	500	M	E	E	F	180	-60	P	P	F	F	G	E	P	E	IDENTICAL TO NATURAL RUBBER
BUTYL; BROMOBUTYL; CHLOROBUTYL	AA BA CA	40-90	2000	700	L	G	F	G	300	-50	P	P	E	E	E	E	P	G	ELCTRICAL INSULATION, SHOCK AND VIBRATION ABSORBER
EPDM (ETHYLENE PROPYLENE)	AA BA CA DA	40-90	2500	600	M	G	G	F	300	-70	P	F	E	E	E	E	P	G	AUTO PARTS, ELECTRICAL INSULATION, DUST COVERS, WEATHER STRIPPING
NEOPRENE (CHLOROPRENE)	BC BE	30-90	3000	600	H	E	E	G	225	-40	E	G	G	E	E	G	E	E	AUTOMOTIVE GASKETS AND SEALS
NITRILE (BUTADIENE ACRYLONITRILE)	BF BG BK	40-95	3000	550	L	G	E	G	250	-60	E	E	G	F TO G	G	E	P	G	PETROLEUM RESISTANT HOSES, GASKETS AND SEALS, ROLLERS, O RINGS, SHOCK AND VIBRATION MOUNTS
ACRYLIC (POLYACRYLATE)	DF DH	40-90	2000	350	M	P	G	F	350	-5	E	E	E	E	E	F	P	G	WHITE OR COLORED PARTS, SEALS, GASKETS, HOSE AND WIRE INSULATION
FLUOROCARBON	HK	60-90	2000	300	L	G	G	G	500	-25	E	E	E	E	E	E	E	E	O-RINGS, SEALS, PACKINGS, DIAPHRAGMS, GASKETS
FLUOROSILICONE	FK	40-70	1500	350	L	F	P	F	400	-90	E	E	E	E	E	G	E	G	MUCH LIKE FLUOROCARBON
SILICONE (POLYSILOXANE)	FC FE GE	40-80	1000	700	M	F	P	F	550	-178	G	P	E	E	E	E	E	E	PARTS SUBJECTED TO TEMPERATURE EXTREMESE, SEALS, GASEKTS AND O-RINGS
URETHANE (DI-ISOCYANATE POLYESTER)	BG	50-90	4000	750	L TO H	E	E	E	200	-65	G	E	G	E	G	G	P	G	GREASE SEALS, HYDRAULIC ACCUMULATOR DIAPHRAGMS
EPICHLOROHYDRIN	DK DJ	40-90	2000	350	L TO H	G	F TO G	G	300	-15 TO -80	E	E	G	G	G	G	F	G	GASKETS AND HOSE FOR PETROLEUM HANDLING, MOLDED PARTS WHERE LOW TEMPERATURE IS INVOLVED