

# TECHNICAL DATA



OFFERING THOUSANDS OF STANDARD INDUSTRIAL RUBBER PRODUCTS AND INNOVATIVE "LOW" AND "HIGH" TECH CUSTOM ELASTOMERIC PRODUCTS.

BASE ELASTOMER	SAE J2000-ASTM D-2000 Classification	POLYMER Trade Names	SPECIFIC GRAVITY - BASE POLYMER	DUROMETER HARDNESS RANGE	MAXIMUM TENSILE STRENGTH - PSI	ELONGATION % (MAX)	RESILIENCE	IMPACT STRENGTH	ABRASION RESISTANCE	TEAR RESISTANCE	MAXIMUM SERVICE TEMP. DEGREE FAHRENHEIT	MINIMUM SERVICE TEMP. DEGREE FAHRENHEIT	OIL RESISTANCE	FUEL RESISTANCE	WEATHER AGING	OXIDATION	HEAT AGING	WATER SWELL RESISTANCE	FLAME RESISTANCE	ADHESION TO METAL	ELECTRICAL RESISTIVITY	TYPICAL APPLICATIONS
NATURAL RUBBER (Polyisoprene)	AA	Hevea Brasiliensis	0.92	30-90	3500	650	H	E	E	E	180	-60	P	P	F	F	G	F	P	E	E	Tires and tubes, gaskets, belts, hoses, seals, shock mounts
SYNTHETIC RUBBER (Synthetic Polyisoprene)	AA	Natsyn	0.91	40-80	2500	650	H	E	E	G	180	-60	P	P	F	F	G	E	P	E	E	Same as Natural Rubber
BUTADIENE (Polybutadiene)	AA	CIS-4; Diene; Ameripol CB; Budene; Cisdene; Taktene	0.91	40-90	2500	450	H	G	E	G	200	-65	P	P	F	G	F	E	P	E	E	Usually blended with other Elastomers to provide resilience better low temperature properties and abrasion resistance
GRS/SBR (Styrene Butadiene)	AA BA	ASRC; Copo; Carbomix; FR-5; Geniro; Ameripol; Plioflex; Philprene; Krylene; Krynol; Synpol	0.94	40-80	2500	500	M	E	E	F	180	-60	P	P	F	F	G	E	P	E	E	Same as Natural Rubber
BUTYL; BROMOBUTYL; CHLOROBUTYL	AA BA CA	Exxon Butyl; Polysar Butyl; Exxon Butyl HT; Bromobutyl; Chlorobutyl	0.92	40-90	2000	700	L	G	E	G	300	-50	P	P	E	E	E	E	P	G	E	Vehicle inner tubes, steam hose, flexible electrical insulation, shock and vibration absorbers
EPDM (Ethylene Propylene)	AA BA CA DA	Epcar; Nordel; Vistalon; Royalene; Epsyn; Dutral	0.86	40-90	2500	600	M	G	G	F	300	-70	P	F	E	E	E	E	P	G	E	Auto parts, electrical insulation, dust covers, weather stripping and conveyor belts
HYPALON (Chlorosulfonated Polyethylene)	CE	Hypalon	1.18	60-90	2500	500	L	G	E	F	275	-40	G	F	E	E	E	G	E	E	G	High voltage cable insulation, oil and chemical hose, o-rings, packings, tank linings, pump diaphragms and building products
NEOPRENE (Chloroprene)	BC BE	Butador; Baypren; Neoprene	1.25	30-90	3000	600	H	E	E	G	225	-40	E	G	G	E	E	G	E	E	F	Petroleum and chemical tank linings, automotive gaskets and seals, molded parts, footwear and weather stripping
NITRILE (Butadiene Acrylonitrile)	BF BG BK	Nipol; Perbunan; Chemigum; Hycar; Paracril; Krynac	1.00	40-95	3000	550	L	G	E	G	250	-60	E	E	G	F - G	G	E	P	G	F	Gasoline and oil resistant hoses, gaskets and seals, rollers o-rings, shock and vibration mounts
ACRYLIC (Polyacrylate)	DF DH	Hycar 4021, Cyanacryl	1.09	40-90	2000	350	M	P	G	F	350	-5	E	E	E	E	E	F	P	G	F	White or colored Parts, spark plug covers, seals, gaskets, hose and wire insulation
FLUOROCARBON	HK	Fluorel; Viton; Technoflon	1.86	60-90	2000	300	L	G	G	G	500	-25	E	E	E	E	E	E	E	G	G	O-rings, shaft seals, valve parts, packings diaphragms, gaskets and pump parts
FLUROSILICONE	FK	LS-2332, LS-53, LS-63, LS-2249, LS-2311	1.40	40-70	1500	350	L	F	P	F	400	-90	E	E	E	E	E	G	E	G	E	Same as Fluorocarbon
SILICONE (Polysiloxane)	FC FE GE	SE-Silicone, Silastic, Rhodorsil, J-Sil Silicones	1.10 1.60	40-80	1000	700	M	F	P	F	550	-178	G	P	E	E	E	E	E	E	E	Parts subjected to extremely high or low temperatures, seals, gaskets, o-rings and bellows
URETHANE (Di-Isocyanate Polyester)	BG	Cyanaprene, Vibrathane, Adiprene	1.25	50-90	4000	750	L to H	E	E	E	200	-65	G	E	G	E	G	G	P	G	G	Solid tires, snowmobile tracks, grease seals, hydraulic accumulator diaphragms
EPICHLOROHYDRIN	DK DJ	Hydril; Herculor	1.27 1.36	40-90	2000	350	L to H	G	F - G	G	300	-15 to -80	E	E	G	G	G	G	F	G	G	Gaskets and hose for petroleum handling, molded mechanical parts and parts for low temperature service

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

