Elastomer Guide 2

Common Name Base Polymer	Chemical Name	Compression Set	Resilience Cold	Resilience Hot	Dielectic Strength	Electrical Insulation	Impermeability to Gases	Acid Resistance Dilute	Concentrated	Solvent Resistance, Aliphatic Hydrocarbons	Aromatic Hydrocarbons	Oxygenated (Ketones, etc.)
Natural Rubber	**Polyisoprene**	E	E	E	E	G-E	G	F-G	F-G	P	P	P
SBR or GR-S or Buna S	**Styrene Butadiene**	G	G	G	G	G	F	F-G	F-G	P	P	P
Butyl	**Isobutylene Isoprene**	F	P	VG	G	G	O	E	G	P	P	G
Butadiene	**Polybutadiene**	VG	O	E	G	G-E	G	F-G	F-G	P	P	P
EPDM or EP Rubber	**Ethylene Propylene**	G	G	VG	O	O	G	E	G	P	P	E
Neoprene	**Chloroprene**	G	G	VG	VG	F-G	G	E	G	F-G	F	P-F
CPE	**Chlorinated Polyethylene**	G	F	G	E	G	E	E	G	G	F	F
Nitrile or NBR or Buna N	**Acrylonitrile Butadiene**	G	G	G	P	P	G	G	G	E	G	P
Urethane	**Polyester/ Ether Urethane**	G	G	G	E	G	G	F	P	F-G	P	P
Hypalon	**Chlorosulfonated Polyethylene**	F	F	G	VG	G	E	E	G	F-G	F	P-F
Epichlorohydrin Rubber	**Polyalkylene Oxide**	P	G	G	G	G	E	F-G	F	E	G	P
Acrylic	**Polyacrylate**	G	P	P	F	F	G	F	P	E	F-P	P
Silicone	**Polysiloxane**	VG	E	E	G	E	F	E	F	P	P	P
Fluorosilicone	**Fluoroalkyl Polysiloxane**	G	E	E	G	E	G	E	F	E	E	P
Fluorocarbon	**Fluorinated Hydrocarbon**	VG	F	G	VG	G	E	G-E	E	E	E	P

O=Outstanding, E=Excellent, VG=Very Good, F=Fair, P=Poor