

Elastomer Guide 3

Fluorosilicone

Common Name Base Polymer	Chemical Name	Lacquer Solvents	Resistance to: Swelling in Lubricating Oil	Resistance to: Oil and Gasoline	Resistance to: Animal Oils	Resistance to: Water Absorption	Resistance to: Oxidation	Resistance to: Ozone	Resistance to: Sunlight Aging	Resistance to: Heat Aging	Resistance to: Low Temperature	Resistance to: Flame	Resistance to: Vegetable Oils	Resistance to: Chlorinated Hydrocarbons
Natural Rubber	Polyisoprene	P	P	P	P	VG	G	P	P	F	VG	P	P	P
SBR or GR-S or Buna S	Styrene Butadiene	P	P	P	P	VG	F	P	P	G	VG	P	P	P
Butyl	Isobutylene Isoprene	F-G	P	P	F	VG	E	E	VG	VG	G	P	F	P
Butadiene	Polybutadiene	P	P	P	P	VG	G	P	P	F	VG	P	P	P
EPDM or EP Rubber	Ethylene Propylene	F-G	P	P	F	E	E	O	O	E	E	P	F	P
Neoprene	Chloroprene	P	G	G	F	G	VG	VG	VG	G	G	G	G	P
CPE	Chlorinated Polyethylene	F	G	G	F	VG	E	E	O	VG	G	G	F	P
Nitrile or NBR or Buna N	Acrylonitrile Butadiene	F	VG	E	E	G	G	F	P	G	F-G	P	E	F
Urethane	Polyester/ Ether Urethane	P	G	G	F	VG	VG	E	VG	G	F-E	F	F	F-G
Hypalon	Chlorosulfonated Polyethylene	P	G	G	F	G	VG	O	O	VG	G	G	P	P-F
Epichlorohydrin Rubber	Polyalkylene Oxide	F	E	E	E	G	G	E	G	VG	G-VG	P-F	E	G-E
Acrylic	Polyacrylate	P	E	F	E	G	E	E	G	E	P	P	G	P
Silicone	Polysiloxane	P	F	F	F	E	E	E	E	O	O	F	G	P-G
Fluoroalkyl Polysiloxane	P	E	E	E	E	E	E	E	O	O	E	E	G-E	
Fluorocarbon	Fluorinated Hydrocarbon	P-F	E	E	E	VG	O	O	O	O	F-G	E	E	G-E

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