

Material Chart

Polymer	Nitrile (NBR)	Viton (FKM)	Silicone (VMQ)	Neoprene (CR)	Ethylene-propylene (EPM/EPDM)	Polytetrafluoroethylene (PTFE)
Max Int Temp °C	130°C	300°C	300°C	125°C	150°C	250°C
Max Cont Temp	100°C	205°C	205°C	95°C	130°C	205°C
Lowest Temp °C	-20°C	-20°C	-60 to -80°C	-35°C	-50°C	-5°C
Oil Resistant	Yes	Yes	Yes	Yes	No	Good
Weather Resistant	Yes	Yes	Yes	Yes	Yes	Good
Hardness Range A	40-100°	50-95°	40-80°	30-90°	30-85°	65-90°
Oxidation	Good	Out standing	Excellent	Very Good	Excellent	Excellent
Ozone Weathering	Fair	Fair	Very Good	Very Good	Out- standing	Good
Oil Resistance ASTM Oil No.1 @ 20 C	Good	Excellent	Excellent	Excellent	Fair	Excellent
ASTM Oil 1 @ 100 C	Good	Excellent	Good	Good	Un-satisfactory	Excellent
ASTM Oil 3 @ 20 C	Good	Excellent	Good	Good	Un-satisfactory	Excellent
ASTM Oil 3 @ 100 C	Good	Excellent	Good	Good	Un-satisfactory	Excellent
ASTM Oil 3 @ 40 C	Fair	Excellent	Unsuitable	Poor	Un-satisfactory	Excellent
Solvent Resistance 20 C						
Alcohol	Good	Good	Good	Good	Good	
Acetone	Un-satisfactory	Unsuitable	Fair	Fair	Good	Good
Benzene	Un-satisfactory	Good	Un- satisfactory	Un- satisfactory	Un- satisfactory	Good
Acid	Good	Excellent	Fair	Good	Good	Good

Bases	-	Good	Fair	Fair	Good	Good
Physical Strength	Good	Good	Fair	Good	Good	Good
Compression Set	Good	Good	Good	Fair to Good	Good	Fair
Tear & Abrasion	Good	Very Good	Poor	Good	Good	Very Good
Resilience	Good	Fair	Good	Very Good	Very Good	Fair
Gas Permeability	Low	Very Low	Fairly Low	Low	Fairly Low	Fair
Electrical Strength	Poor	Good	Excellent	Good	Good	Good
Flame Resistance	Poor	Self-Extinguishing	Good	Self-Extinguishing	Poor	Good
Water Resistance	Fair	Good	Good	Good	Excellent	Good