

Properties	Natural Rubber (NR)	Nitrile (NBR)	HNBR	Neoprene (CR)	Silicone (VMQ)	Fluorosilicone (FVMQ)	EPDM	Viton (FKM)	Polyurethane (PU)	PTFE (Teflon)	POM	Fabric-Reinforced Rubber
Hardness Range (Shore A)	30-90	40-90	50-90	40-80	30-80	40-80	40-90	55-90	60-95	55-95	60-85	50-90
High Temp. (°C)	80-100	120	150	120	230	200	150	250	90	260	90	150
Low Temp. (°C)	-50	-40	-40	-40	-60	-70	-50	-20	-30	-200	-40	-40
Steam Resistance	Poor	Poor	Poor	Good	Good	Fair	Excellent	Poor	Poor	Excellent	Poor	Good
Sunlight Resistance	Poor	Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Good
Weathering/Ozone Resistance	Poor	Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Good
Compression Set	Fair	Good	Good	Good	Poor	Poor	Good	Good	Excellent	Excellent	Good	Excellent
Abrasion Resistance	Excellent	Excellent	Excellent	Good	Poor	Poor	Good	Good	Excellent	Poor	Excellent	Excellent
Flame Resistance	Poor	Poor	Poor	Good	Poor	Poor	Poor	Good	Poor	Excellent	Poor	Poor
Gas Permeation	Moderate	Moderate	Moderate	Moderate	High	High	Poor	Poor	Moderate	Excellent	Moderate	Moderate
Chemical/Solvent Resistance	Poor	Fair	Excellent	Good	Good	Excellent	Excellent	Excellent	Fair	Excellent	Fair	Fair
Petroleum Oil Resistance	Poor	Excellent	Excellent	Fair	Poor	Excellent	Poor	Excellent	Good	Excellent	Fair	Good
Fuels/Gasoline Resistance	Poor	Good	Excellent	Fair	Poor	Excellent	Poor	Excellent	Good	Excellent	Fair	Good
Brake Fluid Resistance	Poor	Poor	Poor	Poor	Good	Poor	Excellent	Poor	Poor	Excellent	Poor	Poor
Transmission Fluid Resistance	Poor	Excellent	Excellent	Fair	Poor	Excellent	Poor	Excellent	Good	Excellent	Good	Good
Steering Fluid Resistance	Poor	Excellent	Excellent	Fair	Poor	Excellent	Poor	Excellent	Good	Excellent	Good	Good
Refrigerant/Freon Resistance	Poor	Poor	Poor	Fair	Excellent	Excellent	Excellent	Excellent	Poor	Excellent	Poor	Poor
Dynamic Application Suitability	Excellent	Excellent	Excellent	Good	Fair	Good	Fair	Good	Excellent	Poor	Excellent	Excellent
FDA Compliance	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No