

Elastomer Information

Basic Elastomer & Thermoplastic Characteristics

Property	Nitrile (Buna)	CPDM	Silicone	Vitron®	Teflon®
Tensile Strength	Good	Good-Excellent	Good	Good-Excellent	Excellent
Electrical Properties	Poor	Excellent	Excellent	Good	Excellent
Weather Resistance	Good	Excellent	Excellent	Excellent	Excellent
Heat Resistance	Good	Excellent	Excellent	Excellent	Excellent
	(225°F)	(275°F)	(450°F)	(400°F)	(450°F)
Cold Resistance	Good	Good-Excellent	Excellent	Good	Fair
	(-40°F)	(-55°F)	(-80°F)	(-20°F)	(-110°F)
Steam Resistance	Good	Good	Good	Excellent	Excellent
Tear Resistance	Good	Good	Good	Good	Excellent
Abrasion Resistance	Good	Good-Excellent	Good-Excellent	Good	Excellent
Acid Resistance	Poor-Good	Good-Excellent	Good	Good	Excellent
Petroleum Oil	Excellent	Poor	Good	Excellent	Excellent
Flame Resistance	Poor	Poor	Poor	Good	Excellent
Vegetable Oil	Excellent	Good (Most)	Good (Intermittent)	Excellent	Excellent

