



Basic Elastomer and Thermoplastic Characteristics

Material	BUNA	EPDM	VITON®	TEFLON®	SILICONE
Temperature	-65 - 250°F	-60 - 300°F	-40 -450°F	-40 -450°F	-80 - 450°F
Acid	Good	Good to Excellent	Good to Excellent	Good to Excellent	Poor to Good
Alkali	Fair to Good	Good to Excellent	Poor to Good	Excellent	Poor to Fair
Fats/Oils	Good to Excellent	Poor*	Good to Excellent	Excellent	Poor to Good
Taste	Good	Good	Good	Excellent	Good
Odor	Good	Good	Good	Excellent	Good
Abrasion Resistance	Excellent	Good	Good	Fair	Poor
Compression Set	Good	Fair	Good to Excellent	Cold Flows	Good to Excellent

*Depends upon type of oil

Performance Properties	BUNA	EPDM	VITON®	SILICONE
Tensile Strength	Fair to Good	Good to Excellent	Good to Excellent	Good
Electrical Properties	Poor	Excellent	Good	Excellent
Weather Resistance	Good	Excellent	Good	Excellent
Ozone Resistance	Fair	Excellent	Excellent	Excellent
Steam Resistance	Fair	Excellent (150 psig)	Poor	Fair
Tear Resistance	Fair	Good	Fair	Excellent
Petroleum Oil	Excellent	Poor	Excellent	Good
Flame Resistance	Poor	Poor	Good	Poor
Vegetable Oil	Good	Good (most)	Excellent	Good (intermittent)

Material	Color Coding
Black BUNA	3 Red Dots
White BUNA	1 Red Dot
Black EPDM	1 Green Dot
White EPDM	1 Green Dot
Black Viton	1 Yellow Dot and 1 White Dot
White Viton	1 Yellow Dot
White Silicone	1 Pink Dot

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