

PERFORMANCE PROPERTY CHART

	Nitrile (Buna-N)	Ethylene-Propylene (EPDM)	Silicone	Fluoroelastomer (Viton™ A) 401C	Fluoroelastomer (Viton™ GF) 600S	Fluoroelastomer (Viton™ ETP) 600S	Teflon®	Silverback™	Kalrez®
Tensile Strength	Good	Good-Excellent	Good	Good-Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Electrical Properties	Poor	Excellent	Excellent	Good	Good	Good	Excellent	Excellent	Excellent
Weather Resistance	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Ozone Resistance	Poor	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Heat Resistance	Good (225°F) (107°C)	Excellent (275°F) (135°C)	Excellent (450°F) (232°C)	Excellent (450°F) (232°C)	Excellent (450°F) (232°C)	Excellent (450°F) (232°C)	Excellent (450°F) (232°C)	Excellent (450°F) (232°C)	Excellent (500°F) (260°C)
Cold Resistance	Good (-40°F) (-40°C)	Good Excellent (-55°F) (-48°C)	Excellent (-80°F) (-62°C)	Good (-2°F) (-18°C)	Good (18°F) (-8°C)	Good (10°F) (-12°C)	Excellent (-110°F) (-79°C)	Good (-20°F) (-28°C)	N/A
Steam Resistance	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Tear Resistance	Good	Good	Good	Good	Good	Good	Excellent	Excellent	Good
Abrasion Resistance	Good	Good Excellent	Good Excellent	Good	Excellent	Excellent	Excellent	Excellent	Good
Acid Resistance	Poor-Good	Good-Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent
Petroleum Oil Resistance	Excellent	Poor	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Flame Resistance	Poor	Poor	Poor	Good	Good	Good	Excellent	Excellent	Excellent
Vegetable Oil Resistance	Excellent	Good (most)	Good (intermittent)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
3-A Compliant	Yes	Yes	Yes	Yes					

Buna-N is not recommended for use with CIP Sanitizing Agent OXONIA; use EPDM or Silicone. EPDM or Viton™ is recommended for ozone treated water.

All of the above compounds used in our production meet the criteria set forth by the FDA.



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