

Durlon® iGuard™ Recommended Application Chart

Flange Isolation Kits

Service	Gasket	Seal	Sleeve	Washer	Temperature		Service	Gasket	Seal	Sleeve	Washer	Temperature	
					Low (°C,°F)	High (°C,°F)						Low (°C,°F)	High (°C,°F)
Acetone	Phenolic	EPDM	Mylar	Phenolic	0 (32)	27 (80)	Propane	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Air	G10	Nitrile	Mylar	Phenolic	-40 (-40)	107 (225)	Propylene	G10	Viton	G10	G10	0 (32)	27 (32)
Ammonia	G10	PTFE	Mylar	G10	-54 (-65)	104 (220)	Sewage	G10	Viton	Mylar	G10	-29 (-20)	138 (280)
Bleach	G10	PTFE	Mylar	G10	0 (32)	27 (100)	Steam	-	-	-	-	-	-
Carbon Dioxide	G10	Nitrile	Mylar	G10	0 (32)	38 (150)	Styrene	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Caustic Soda	ePTFE	-	ePTFE	ePTFE	-	-	Sulphur (Molten)	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Cryogenic	G10	PTFE	G10	G10	-184 (-300)	138 (280)	Tolulene	G10	Viton	G10	G10	0 (32)	66 (150)
Ethanol	G10	EPDM	Mylar	G10	0 (32)	38 (100)	Tolulene	Phenolic	Viton	Mylar	Phenolic	-40 (40)	104 (220)
Ethylene	G10	PTFE	G10	G10	0 (32)	27 (80)	Water, HOT	G10	EPDM	Mylar	G10	79 (175)	138 (280)
Fuel Oil	G10	Viton	Mylar	G10	-29 (-20)	138 (280)	Water, Potable	G10	EPDM	Mylar	Phenolic	0 (32)	138 (280)
Jet Fuel	G10	Viton	Mylar	G10	-29 (20)	107 (225)	Water, Sea	G10	EPDM	Mylar	Phenolic	0 (32)	138 (280)
Natural Gas	Phenolic	Nitrile	Mylar	Phenolic	-40 (-40)	104 (220)	Sulfuric Acid	ePTFE	-	ePTFE	ePTFE	-	-
Sour gas	G10	Viton	Mylar	Phenolic	-29 (-20)	104 (220)	Sulfuric Acid < 10%	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Gasoline	G10	PTFE	Mylar	G10	-54 (-65)	107 (225)	Nitric	ePTFE	-	ePTFE	ePTFE	-	-
Unleaded Gasoline	Phenolic	Viton	Mylar	Phenolic	-40 (-40)	104 (220)	Nitric Acid < 5%	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Unleaded Gasoline	G10	Viton	Mylar	Phenolic	-29 (-20)	138 (280)	Citric Acid	ePTFE	-	ePTFE	ePTFE	-	-
Hydrogen	G10	Nitrile	Mylar	G10	0 (32)	38 (100)	Hydrochloric Acid < 10%	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Black Liquor	ePTFE	-	G10	G10	-	-	Hydrochloric Acid	ePTFE	-	ePTFE	ePTFE	-	-
White Liquor	ePTFE	-	G10	G10	-	-	Acetic Acid < 10%	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Spent Liquor	ePTFE	-	G10	G10	-	-	Phosphoric Acid < 25%	G10	PTFE	G10	G10	-184 (-300)	138 (280)
LNG	G11	PTFE	G10	G10	-184 (-300)	38 (100)	Potassium Hydroxide	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Mercaptan	G10	PTFE	G10	G10	-184 (-300)	138 (280)	Ammonium Hydroxide	G10	PTFE	G10	G10	-184 (-300)	138 (280)
Methanol	G10	PTFE	G10	G10	-184 (-300)	138 (280)	Trichloroethylene	Phenolic	Viton	Mylar	Phenolic	-40 (-40)	104 (220)
Methyl Tertiary Butyl Ether	G10	PTFE	G10	G10	-184 (-300)	138 (280)	Auto Transmission Fluid	G10	Viton	G10	G10	0 (32)	66 (150)
Nitrogen	Phenolic	Nitrile	Mylar	Phenolic	-40 (-40)	104 (220)	Auto Transmission Fluid	Phenolic	Viton	Mylar	Phenolic	-40 (-40)	104 (220)
Crude Oil	G10	Viton	Mylar	G10	-29 (-20)	138 (280)							
Oxygen	ePTFE	-	G10	G10	-54 (-65)	121 (250)							
Pentane	G10	PTFE	G10	G10	-184 (-300)	138 (280)							

This information is a general guide for the selection of a suitable gasket material. The substances listed above are evaluated for their effect on gasket materials at ambient temperature -40°C (-40°F) to 38°C (100°F) unless stated otherwise. For unusual conditions of fluid concentration, internal pressures or temperature or applications not listed above, consult your local representative. This evaluation is based on laboratory or field tests or experience; however, no guarantee can be given as to the actual performance experienced by the end user. If you have questions regarding a specific application, please email tech@trianglefluid.com.

