

# CHEMICAL AND TEMPERATURE COMPATIBILITY WITH DIAPHRAGMS

Properties	Nitrile	Viton	
Solvent Resistance	Aliphatic Hydrocarbons	Excellent	Excellent
	Aromatic Hydrocarbons	Good	Excellent
	Oxygenated (Ketones, etc)	Poor	Poor
	Lacquer Solvents	Fair	Poor
Resistance to:	Swelling in Lubricating Oil	Very Good	Excellent
	Oil and Gasoline	Excellent	Excellent
	Animal and Vegetable Oils	Excellent	Excellent
	Water Absorption	Fair	Very Good
	Oxidation	Good	Outstanding
	Ozone	Fair	Outstanding
	Sunlight Aging	Poor	Very Good
	Heat Aging	Excellent	Outstanding
	Flame	Poor	Good
	Heat	82°C (179°F)	232°C (450°F)
	Cold	-40°C (-40°F)	-29°C (-20°F)

Source: Anonymous (1986), *The Handbook of Flexible Elastomer Diaphragms*, Connecticut:

