Garlock
SEALING TECHNOLOGIES®
an EnPro Industries company

NSF 61 Certified Multi-Swell™ (Style 3760-U)

MATERIAL PROPERTIES*

Color:	Blue/Off-white
Composition:	Synthetic fibers with a proprietary rubber binder. Unbranded without anti-stick coating
Fluid Services[1]:	Water, aliphatic hydrocarbons, oils and gasoline
Temperature[2], °F (°C)	
Minimum:	-100 (-73)
Continuous Max:	+400 (+205)
Pressure[2], Maximum, psig (bar):	500 (34.5)
P x T (max.)[2], psig x °F (bar x °C)	
1/32 and 1/16":	150,000 (5,100)
1/8":	100,000 (3,400)
Meets Specification:	**NSF 61 Certified** for 1" through 144" flange/pipe sizes

TYPICAL PHYSICAL PROPERTIES*

ASTM F36	**Compressibility**, range, %:	15-30	
ASTM F36	**Recovery**, %:	40	
ASTM F38	**Creep Relaxation**, %:	30	
ASTM F152	**Tensile**, Across Grain, psi (N/mm^2):	1000 (6.9)	
ASTM F1315	**Density**, lbs./ft.^{3} (grams/cm^3):	85 (1.36)	
ASTM D149	**Dielectric Properties**, range, volts/mil.		
	Sample conditioning	1/32"	1/68"
	3 hours at 250°F:	607	385
	96 hours at 100% Relative Humidity:	-	-
ASTM F104	**Line Call Out**:	F719996B6L100M3[(3)]	

SEALING CHARACTERISTICS*

	ASTM F37B Fuel A	ASTM F37B Nitrogen
Gasket Load, psi (N/mm2):	500 (3.5)	3000 (20.7)
Internal Pressure, psig (bar):	9.8 (0.7)	30 (2)
Leakage	**0.15 ml/hr.**	**0.20 ml/hr.**

IMMERSION PROPERTIES*- ASTM F146 Fluid Resistance after Five Hours

	ASTM #1 Oil 300°F (150°C)	ASTM IRM #903 300°F (150°C)	Distilled Water 70-85°F (20-30°C)
Thickness Increase, (%)	≥15	<75	25
Weight Increase, (%)	<30	<85	-
Tensile Loss, (%)	-	-	-

Notes:

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on 1/32" (0.8mm) sheet thickness unless otherwise mentioned.

* Values do not constitute specification Limits

[1] See Garlock chemical resistance guide for Multi-Swell™ 3760.

[2] Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum PxT, consult Garlock Applications Engineering. Minimum temperature rating is conservative.

[3] Third numeral 9: F36 Compressibility 15-30%. Fourth numeral 9: % Thickness Increase in IRM Oil #903 = 75% max. Fifth numeral 9: % Weight Increase in IRM Oil #903 = 85% max.