



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 Services¹:	Water, aliphatic hydrocarbons, oils and gasoline
Temperature², °F (°C)	
Minimum:	-100 (-73)
Continuous Max:	+400 (+205)
Pressure², 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 (Gaskets 1/16" thick are certified for 6" and larger pipe. Gaskets 1/8" thick are certified for 10" and larger.) Contact Garlock for pipe sizes less than 6".

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/mm ²):	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 P x T, 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.