

Style 2930

MATERIAL PROPERTIES*:

Color:	Black
Composition:	Aramid fibers with neoprene binder
Fluid Services (see chemical resistance guide):	Water, saturated steam ² , refrigerants, oils and fuels
Temperature ¹ , °F (°C)	
Minimum:	-100 (-75)
Continuous Max:	+400 (+205)
Maximum:	+700 (+371)
Pressure ¹ , Maximum, psig (bar):	1000 (70)
P x T (max.) ¹ , psig x °F (bar x °C):	
1/32 and 1/16":	350,000 (12,000)
1/8"	250,000 (8,600)

TYPICAL PHYSICAL PROPERTIES*:

ASTM F36	Compressibility , average, %:	10
ASTM F36	Recovery , %:	50
ASTM F38	Creep Relaxation , %:	22.5
ASTM F152	Tensile , Across Grain, psi (N/mm ²):	1700 (11.7)
ASTM F1315	Density , lbs./ft. ³ (grams/cm ³):	105 (1.68)
ASTM F586	Design Factors	<u>1/16" & Under</u>
	"m" factor:	6.0
	"y" factor, psi (N/mm ²):	4500 (31)

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	1.0 ml/hr	2.0 ml/hr

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
¹ 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.

² Minimum recommended assembly stress = 4,800psi. Preferred assembly stress = 6,000-10,000psi. Gasket thickness of 1/16" strongly preferred. Retorque the bolts/studs prior to pressurizing the assembly. For saturated steam above 150psig or superheated steam, consult Garlock Engineering.

REV: 10/11/16