Garlock 2930

MATERIAL PROPERTIES*

Color:	Black
Composition:	Aramid fibers with a neoprene binder
Fluid Services[1]:	Water, saturated steam[3], refrigerants, oils and fuels
Temperature[2], °F (°C)	
Minimum:	-100 (-75)
Continuous Max:	+400 (+205)
Maximum:	+700 (+370)
Pressure[2], Maximum, psig (bar):	1000 (70)
P x T (max.)[2], 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**, range, %:	7-17	
ASTM F36	**Recovery**, %:	50	
ASTM F38	**Creep Relaxation**, %:	22.5	
ASTM F152	**Tensile**, Across Grain, psi (N/mm^2):	2000 (13.8)	
ASTM F1315	**Density**, lbs./ft.^{3} (grams/cm^3):	105 (1.68)	
ASTM F586	**Design Factors**	1/16" & Under	1/8"
	"m" factor:	6.0	-
	"y" factor, psi (N/mm^2):	4500 (31.0)	-

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	**1.0 ml/hr.**	**2.0 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)	ASTM Fuel A 70-85°F (20-30°C)	ASTM Fuel B 70-85°F (20-30°C)
Thickness Increase, (%)	0-5	5-25	0-10	0-20
Weight Increase, (%)	<15	-	<20	<20
Tensile Loss, (%)	-	<60	-	-

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.

[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 Hanna Rubber Company. Minimum temperature rating is conservative.

[3] Above 150 psig, contact Engineering.