Garlock Style 2900

Material: Aramid Fiber w/Nitrile Binder
Color: Black

Fluid Services: Water, Aliphatic Hydrocarbons, Oils, Gasoline, Mild Acids and Alkalies

Temperature: min:-40°F (40°C)
(cont. oper.): 400°F (205°C)
(max.): +700°F (371°C)
Pressure (max.): 1000 psi (70 bar)
P x T (max.)[1]: 350,000 (12,000) 1/16" and 1/32"
250,000 (8,600) 1/8"

TEST METHOD		TYPICAL RESULTS
ASTM F-37B	Sealability ml/hr. Leakage, **ASTM Fuel A (isooctane):** Gasket Load, 500 psi (3.5 N/mm^2) Internal Pressure, 9.8 psig (.7 bar) **Nitrogen:** Gasket Load, 3000 psi (20.7 N/mm^2) Internal Pressure, 30 psig (2 bar)	0.25 1.0
ASTM F-36	**Recovery** (%):	50
ASTM F-36	**Compressibility,** (%):	7-17
ASTM F-38	**Creep Relaxation,** (%): 22 hrs. @ 212°F (100°C)	25.0
ASTM F-146	**Fluid Resistance After Five Hours Immersions**	
	ASTM #1 Oil @ +300°F (+150°C)	
	Thickness Increase Range, %:	0-5%
	Weight Increase, Maximum, %:	0-10%
	ASTM IRM #903 Oil @ +300° F(+150°C)	
	Thickness Increase Range, %:	0-15%
	Tensile Loss, Maximum, %:	0-35%
	ASTM Fuel A @ 70 - 85°F (20-30°C)	
	Thickness Increase Range, %:	0-5%
	Weight Increase, Maximum, %:	0-10%
	ASTM Fuel B @ 70 - 85°F(20-30°C)	
	Thickness Increase Range , %:	0-10%
	Weight Increase, Maximum, %:	0-20%
ASTM F-152	**Tensile Strength** (psi)	1500
	Across Grain, psi (N/mm^2):	12.7 Mpa
	Density, lbs./ft.^{3} (grams/cm^3):	105 (1.68)

F104 Line Call Out: F712100A9B6E33K5M4 (Based on 1/32" thickness)

NOTE: This is a general guide and should not be the sole means of slecting or rejecting this material. ASTM test results are in accordance with ASTM 104; properties based on 1/32" (0.8 mm) sheet thickness (except as noted). [1] P x T, max. = psig x ^{O}F (bar x^{O}C)

9/05