

Garlock Style 2900

Material: Aramid Fiber w/Nitrile Binder
Color: Black

Temperature: min:-40°F (40°C)
(cont. oper.): 400°F (205°C)

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

(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 <u>ASTM #1 Oil @ +300°F (+150°C)</u> Thickness Increase Range, %: Weight Increase, Maximum, %: <u>ASTM IRM #903 Oil @ +300° F(+150°C)</u> Thickness Increase Range, %: Tensile Loss, Maximum, %: <u>ASTM Fuel A @ 70 - 85°F (20-30°C)</u> Thickness Increase Range, %: Weight Increase, Maximum, %: <u>ASTM Fuel B @ 70 - 85°F(20-30°C)</u> Thickness Increase Range , %: Weight Increase, Maximum, %:	 0-5% 0-10% 0-15% 0-35% 0-5% 0-10% 0-10% 0-20%
ASTM F-152	Tensile Strength (psi) Across Grain, psi (N/mm ²): Density, lbs./ft.³ (grams/cm³):	1500 12.7 Mpa 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 selecting 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). ¹P x T, max. = psig x °F (bar x °C)

9/05

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