Garlock Sealing Technologies
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Garlock® Style 3200
BLUE-GARD® Gasketing

Material: Aramid Fiber w/SBR Binder
Color: Off-White
Fluid Services: Water, Saturated Steam, Mild Acids, Alkalies, Inert Gases

Minimum Temperature: -40°F(-40°C)
Maximum Temperature: +700°F (371°C)
Continuous operating Temp.: 400°F (205°C
Pressure, Max.: 1200 psi (83 bar)
P x T, Max.: 350,000 (12,000)* 1/32"&1/16"
250,000 (8,000)* 1/8"

Meets MIL-G-24696 B

TEST METHOD	TYPICAL PHYSICAL PROPERTIES	TYPICAL RESULTS
ASTM F-37	**Sealability**	
	ml/hr. Leakage,	
	ASTM Fuel A (isooctane):	0.1
	Gasket Load, 500 psi (3.5 N/mm^2)	
	Internal Pressure, 9.8 psig (.7 bar)	
	Nitrogen:	0.4
	Gasket Load, 3000 psi (20.7 N/mm^2)	
ASTM F-36	**Recovery,** min. (%):	50
ASTM F-36	**Compressibility,** (%) range:	7-17
ASTM F-38	**Creep Relaxation,** (%):	18.4
Method B	22 hrs. @ 212° F (100° C)	
ASTM F-146	**Fluid Resistance After Five Hours Immersions**	
	ASTM #1 Oil @ +300° F	
	Thickness Increase Range (%):	0-10
	Weight Increase, Maximum (%):	20
	ASTM IRM 903 Oil @ +300° F	
	Thickness Increase Range (%):	15-30
	Tensile Loss, Maximum (%):	70
	ASTM Fuel A @ 70 - 85°F	
	Thickness Increase Range (%):	0-15
	Weight Increase, Maximum (%):	25
	ASTM Fuel B @ 70 - 85°F	
	Thickness Increase Range (%):	5-20
	Weight Increase, Maximum (%):	30
ASTM F-152	**Tensile Strength** (psi)	
	Across Grain, psi (N/mm^2):	2800 (19.3MPa)
	Density, Lbs./Ft.^{3} (grams/cm^3):	100 (1.60)

ASTM F104 Line Callout - (Based on 1/32" thickness) F712900A9B4E45K5M9
9: Thickness Increase #3 Oil = 25-50%
A9: *(1) Nitrogen Leakage: 1.0 ml/hr max. (0.4 ml/hr typical)
**(2) ASTM Fuel A Leakage: 1.0 ml/hr max. (0.1 ml/hr typical)
M9: 2,250 psi (15 N/mm^2) min.
NOTE: (1) Test results in accordance with ASTM F-104; properties based on 0.8mm (1/32") sheet thickness.
+ When approaching max. temperature, consult the Garlock Engineering Department.
+P x T, max. = maximum psi x °F or maximum (bar) x °C based on 1/16" thk.