



Please check with All Custom Gasket for current lead times and availability

Tel: 905-507-4580

Fax: 905-507-4589

E-mail: gasket@allcustomgasket.com

Garlock BLUE-GARD® 3700



MATERIAL PROPERTIES*

Color:	Light grey
Composition:	Aramid fibers with a EPDM binder
Fluid Services¹:	Water, saturated steam ⁴ , and mild chemicals
Temperature², °F (°C)	
Minimum:	-100 (-73)
Continuous Max:	+400 (+205)
Maximum:	+700 (+371)
Pressure², Maximum, psig (bar):	1200 (83)
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, %:	40
ASTM F38	Creep Relaxation, %:	25
ASTM F152	Tensile, Across Grain, psi (N/mm²):	2500 (17)
ASTM F1315	Density, lbs./ft.³ (grams/cm³):	100 (1.60)
ASTM F433	Thermal Conductivity (K), W/m²K (Btu.in./hr.ft.².°F):	0.29-0.38 (2.00-2.65)
ASTM D149	Dielectric Properties, range, volts/mil.	
	Sample conditioning	1/16" 1/8"
	3 hours at 250°F:	451 ⁽³⁾ -620 291 ⁽³⁾
	96 hours at 100% Relative Humidity:	134 71
ASTM F586	Design Factors	1/16" & Under 1/8"
	"m" factor:	3.5 6.7
	"y" factor, psi (N/mm ²):	2800 (19.3) 4200 (28.9)
ROTT	Gasket Constants, 1/8":	Gb=1,318 a=0.258 Gs=0.60
ASTM F104	Line Call Out:	F712902A9B4E99K5L104M9 ⁽⁵⁾

SEALING CHARACTERISTICS*

	ASTM F37B Fuel A	ASTM F37B Nitrogen	DIN 3535- 4 Gas Permeability
Gasket Load, psi (N/mm²):	500 (3.5)	3000 (20.7)	4640 (32)
Internal Pressure, psig (bar):	9.8 (0.7)	30 (2)	580 (40)
Leakage	0.1 ml/hr.	0.7 ml/hr.	0.04 cc/min

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, (%)	20-35	60-100	10-40	20-50
Weight Increase, (%)	-	-	-	-
Tensile Loss, (%)	-	-	-	-

Please check with All Custom Gasket for current lead times and availability

All Custom Gasket & Materials Limited
 355 Watline Avenue
 Mississauga, Ontario, L4Z 1P3
 Tel: 905-507-4580
 Fax: 905-507-4589
 E-mail: gasket@allcustomgasket.com
 www.allcustomgasket.com



Disclaimer: The above values are typical properties and are provided for information only. They should not be used to set specification requirements. It is up to the end user to determine whether the material is suitable for the intended application.