

Technical Data Sheet

MATERIAL PROPERTIES*:

Blue-Gard® 3000

Colour:

Blue

Composition:

Aramid fibres with a nitrile binder

Fluid Services

Water, aliphatic hydrocarbons, oils and gasoline

Temperature¹, °F (°C)

Minimum:

-100 (-73)

Continuous Maximum:

+400 (+205)

Maximum:

+700 (+371)

Pressure¹, Maximum, psig (bar):

1000 (70)

P x T (max.)¹, psig x °F (bar x °C):

1/32 and 1/16":

350,000 (12,000)

1/8"

250,000 (8,600)

Meets Specifications:

ABS (American Bureau of Shipping) and BS 7531 Grade Y

TYPICAL PHYSICAL PROPERTIES*:

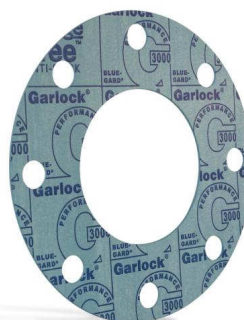
ASTM F36	Compressibility, average, %:	8
ASTM F36	Recovery, %:	50
ASTM F38	Creep Relaxation, %:	21
ASTM D1708	Tensile, Across Grain, psi (N/mm ²):	2150 (15)
ASTM F1315	Density lbs/ft ³ (grams/cm ³):	100 (1.60)
ASTM F433	Thermal Conductivity (K), W/m·K (Btu in/ hr ft ² °F):	0.29 - 0.38 (2.00 - 2.65)

SEALING CHARACTERISTICS*

	ASTM F37B – Fuel A	ASTM F37B – Nitrogen	DIN 3535 - Nitrogen
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	0.2 ml/hr.	0.6 ml/hr	0.05 cc/min

Notes: * This is a general guide and should not be the sole means of selecting or rejecting this material. Please contact us for more comprehensive information. ASTM test results in accordance with ASTM F-104; properties

¹ Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum P x T, consult us. Minimum temperature rating is conservative. ² Indicates electric current arced around and not through the gasket. Dielectric strength is higher than indicated.



Asbestos Free



Certificate Number: 14352
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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