



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

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an EnPro Industries company

Garlock BLUE GYLON® 3504



MATERIAL PROPERTIES*

Color:	Blue
Composition:	PTFE with Aluminosilicate microspheres
Fluid Services¹:	Moderate concentrations of acids, some caustics, hydrocarbons, solvents, hydrogen peroxide, refrigerants and cryogenics
Temperature², °F (°C)	
Minimum:	-450 (-268)
Continuous Max:	+500 (+260)
Pressure², Maximum, psig (bar):	800 (55)
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)
Flammability:	Will Not Burn
Bacterial Growth:	Will Not Support
Meets Specification:	ABS (American Bureau of Shipping), FDA (Food and Drug Administration) and USP (US Pharmacopeia)

TYPICAL PHYSICAL PROPERTIES*

ASTM F36	Compressibility, %:	25-45	
ASTM F36	Recovery, %:	30	
ASTM F38	Creep Relaxation, %:	40.0	
ASTM F152	Tensile, Across Grain, psi (N/mm²):	2000 (13.8)	
ASTM D792	Specific Gravity:	1.70	
ASTM D1708	Modulus @ 100% Elongation, psi (N/mm²):	1500 (10.3)	
ASTM F433	Thermal Conductivity (K), W/m²K (Btu.-in./hr.-ft.².°F):	0.14-0.24 (1.00-1.65)	
ASTM D149	Dielectric Properties, range, volts/mil.		
	Sample conditioning	<u>1/16"</u>	<u>1/8"</u>
	3 hours at 250°F:	318	-
	96 hours at 100% Relative Humidity	245	-
ASTM F586	Design Factors	1/16" & Under	1/8"
	"m" factor:	3.0	2.5
	"y" factor, psi (N/mm ²):	1650 (11.4)	3000 (20.7)
ROTT	Gasket Constants, 1/16":	Gb=183	a=0.357 Gs=4.01x10 ⁻³
	1/8":	Gb=1008	a=0.221 Gs=2.23
ASTM F104	Line Call Out:	F456999A9B7E99K3M6 ⁽³⁾	

SEALING CHARACTERISTICS*

	ASTM F37B Fuel A	DIN 3535- 4 Gas Permeability
Gasket Load , psi (N/mm ²):	1000 (7)	4640 (32)
Internal Pressure , psig (bar):	9.8 (0.7)	580 (40)
Leakage	0.12 ml/hr.	<0.015 cc/min

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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.