


Technical Data Sheet

MATERIAL PROPERTIES*:

Gylon®3504

Colour:	Blue	
Composition:	PTFE with Aluminosilicate microspheres	
Fluid Services:	Moderate concentrations of acids, some caustics, hydrocarbons, solvents, hydrogen peroxide, refrigerants and cryogenics	
Temperature ¹ , °F (°C)		
Minimum:	-450 (-268)	
Maximum:	+500 (+260)	
Pressure ¹ , Maximum, psig (bar):	800 (55)	
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)	
Flammability:	Will Not Support Flame	
Bacterial Growth:	Will Not Support	
Meets Specifications:	ABS (American Bureau of Shipping), FDA (Food and Drug Administration) 21 CFR 177.1550 and USP (US Pharmacopeia)	

TYPICAL PHYSICAL PROPERTIES*:

ASTM F36	Compressibility, average, %:	25-45
ASTM F36	Recovery, %:	30
ASTM F38	Creep Relaxation, %:	40
ASTM D1708	Tensile, Across Grain, psi (N/mm ²):	2000 (13.8)
ASTM D792	Specific Gravity:	1.70
ASTM D1708	Modulus @ 100% Elongation, psi (N/mm ²):	1500 (10.3)
ASTM F433	Thermal Conductivity (K), W/m ² K (Btu·in./hr·ft ² ·°F):	0.14-0.24 (1.00-1.65)

SEALING CHARACTERISTICS*

	ASTM F37B – Fuel A	DIN 3535 – Nitrogen
Gasket Load, psi (N/mm²):	1000 (7)	4640 (32)
Internal Pressure, psig (bar):	9.8 (0.7)	580 (40)
Leakage	0.12 ml/hr.	<0.015 cc/min

Notes: * This is a general guide and should not be the sole means of selecting or rejecting this material. This data sheet covers basic information, for more comprehensive information, please contact us. 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.

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.

Web: www.epdm.co.uk

E-Mail: Sales@epdm.co.uk

Contact

Telephone: +44 (0)1625 573971

FAX: +44(0)1625 573250

PTM Ltd

Units AG2/3 Clarence Mill

Clarence Road, Bollington

Macclesfield, Cheshire

SK10 5JZ

United Kingdom