

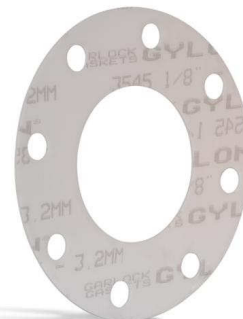
## Technical Data Sheet

### MATERIAL PROPERTIES\*:

Colour:  
 Composition:  
 Fluid Services:

Gylon®3545

White  
 Microcellular PTFE  
 Strong caustics, strong acids, chlorine, hydrocarbons, cryogenics, glass lined equipment and low bolt load applications<sup>2</sup>



Temperature<sup>1</sup>, °F (°C)

Minimum: -450 (-268)  
 Maximum: +500 (+260)

Pressure<sup>1</sup>, Maximum, psig (bar):

1200 (83)

P x T (max.)<sup>1</sup>, 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

### TYPICAL PHYSICAL PROPERTIES\*:

ASTM F36	Compressibility, average, %:	60-70
ASTM F36	Recovery, %:	15
ASTM F38	Creep Relaxation, %:	15

### SEALING CHARACTERISTICS\*

	ASTM F37B – Fuel A	DIN 3535 – Nitrogen
Gasket Load, psi (N/mm <sup>2</sup> ):	1000 (7)	4640 (32)
Internal Pressure, psig (bar):	9.8 (0.7)	580 (40)
Leakage	0.25 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 <sup>1</sup> 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. <sup>2</sup> For flat face flanges, a minimum compressive stress of 1500psi (103N/mm<sup>2</sup>) is recommended on the contacted gasket area for 150psig (10.4bar) liquid service. Consult with the flange manufacturer to confirm that adequate compressive stress is available.

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](http://www.epdm.co.uk)**

**E-Mail: [Sales@epdm.co.uk](mailto:Sales@epdm.co.uk)**

### Contact

Telephone: +44 (0)1625 573971  
 FAX: +44 (0)1625 573250  
 Munsch & Co/PTM Ltd  
 Units AG2/3 Clarence Mill  
 Clarence Road, Bollington  
 Macclesfield, Cheshire  
 SK10 5JZ  
 United Kingdom