

## Technical Data Sheet

### MATERIAL PROPERTIES\*:

Colour: White  
 Composition: Microcellular PTFE  
 Fluid Services: 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:

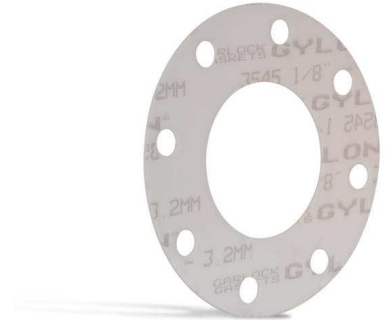
Will Not Support Flame

### 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
<b>Gasket Load, psi (N/mm2):</b>	1000 (7)	4640 (32)
<b>Internal Pressure, psig (bar):</b>	9.8 (0.7)	580 (40)
<b>Leakage</b>	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/mm2) 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.

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### Contact

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