

Garlock WHITE GYLON® 3535 Joint Sealant Tape

MATERIAL PROPERTIES*

| | |
|---|------------------------------------|
| Color: | White |
| Composition: | PTFE Joint Sealant Tape |
| 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: | FDA (Food and Drug Administration) |

TYPICAL PHYSICAL PROPERTIES*

| | | | | |
|------------------|---------------------------------------|--------------------------|-------------|--------------------------|
| ASTM D792 | Specific Gravity: | 0.65 | | |
| ASTM F586 | Design Factors | <u>1/16" & Under</u> | <u>1/4"</u> | |
| | "m" factor: | - | 2 | |
| | "y" factor, psi (N/mm ²): | - | 3000 (20.7) | |
| ROTT | Gasket Constants, 3/8": | Gb=430 | a=0.286 | Gs=1.69x10 ⁻⁹ |

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 | <0.1 ⁽³⁾ ml/hr. | 0.05 ⁽³⁾ cc/min |

Notes:

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on 1/4" (6.3mm) sheet thickness unless otherwise mentioned.

* Values do not constitute specification Limits

² Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum PxT, consult Garlock Applications Engineering.

³ Tested on 1/4" thick material.