

Garlock STRESS SAVER® 3504

MATERIAL PROPERTIES*:

| | |
|--|---|
| Color: | Blue |
| Composition: | PTFE with Aluminosilicate microspheres |
| Fluid Services¹: | Moderate concentrations of acids and caustics, solvents, refrigerants, cryogenics, hydrocarbons and hydrogen peroxide |
| Temperature², °F (°C) | |
| Minimum: | -450 (-268) |
| Continuous Max: | +500 (+260) |
| Pressure², Maximum, psig (bar): | 800 (55) In metal flanges |
| P x T (max.)², psig x °F (bar x °C): | |
| 1/8": | 250,000 (8,600) |
| Flammability: | Will Not Burn |
| Bacterial Growth: | Will Not Support |
| Meets Specification: | FDA (Food and Drug Administration) and USP Class VI (US Pharmacopeia), Specify 3505 for NSF 61 (National Sanitation Foundation) |

TYPICAL PHYSICAL PROPERTIES*:

| | | |
|-------------------|---|-------------|
| ASTM F36 | Compressibility, %: | 12 |
| ASTM F36 | Recovery, %: | 50 |
| ASTM D1708 | Tensile, Across Grain, psi (N/mm²): | 2000 (13.8) |
| ASTM D792 | Specific Gravity: | 1.90 |
| ASTM F586 | Design Factors | |
| | "m" factor: | 2 |
| | "y" factor, psi (N/mm ²): | 400 (2.7) |

SEALING CHARACTERISTICS*

| | DIN 3535-4 Gas Permeability |
|--|--|
| Gasket Load , psi (N/mm ²): | 4640 (32) |
| Internal Pressure , psig (bar): | 580 (40) |
| Leakage | <0.015 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 1/8" (3mm) thickness unless otherwise mentioned.

* Values do not constitute specification Limits

¹ See Garlock chemical resistance guide.

² Based on ANSI FF metal flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum P_{xT}, consult Garlock Applications Engineering.