



**Thermoseal®**

*A Passion for Quality*

## PTFE

### soft-chem®

Thermoseal® soft-chem® expanded PTFE sealing material provides excellent corrosion resistance and impermeability along with superior creep resistance and sealability for use in all types of applications. The material's high compressibility enables it to deform under load and conform to irregularities in flange faces for a tight seal with low, minimum sealing stress. Standardizing with it also helps to reduce maintenance, simplify inventory, and save money.

- Can be used with more fragile piping systems
- Ideal for boiler applications because it's largely unaffected by steam or condensate for longer life and trouble-free sealing
- BAM approval for gaseous oxygen
- Indefinite self life
- FDA compliant

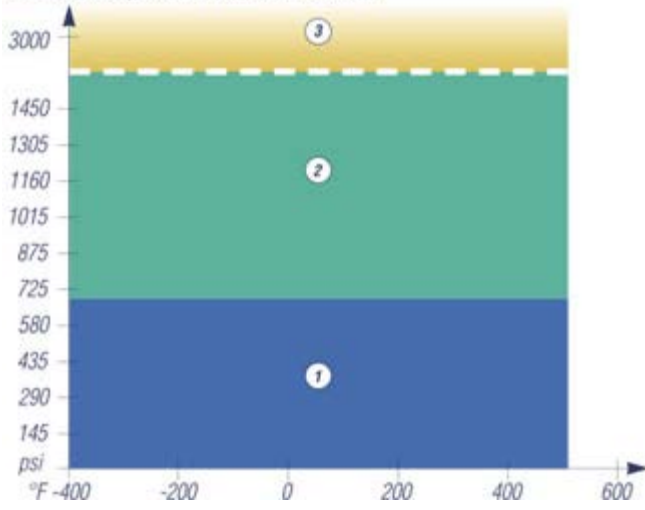


See graphs for temperature & pressure limits

<b>Creep Relaxation</b> ASTM F38B (1/32")	35%
<b>Sealability</b> ASTM F37 B Fuel A	.002 ml/min
<b>Gas Leakage</b> DIN 3535/6	.12 ml/hr
<b>Klinger Hot Compression Test</b>	
Thickness Decrease ambient, 3625 psi	37%
Thickness Decrease Hot, 572°F (300°C)	28.6%
<b>Compressibility</b> ASTM F36	60%
<b>Recovery</b> ASTM F36	12% min
<b>Tensile</b> ASTM 152	1,500 psi
<b>Vacuum to Full Pressure</b>	3,000 psi
<b>Chemical Resistance</b>	0-14 ph
<b>Density</b>	.85 g/cm <sup>3</sup>
<b>Gasket constants as tested by Ecole Polytechnic</b>	1/16"
<b>G<sub>b</sub></b>	1,260 psi
<b>a</b>	.20 psi
<b>G<sub>s</sub></b>	3.5 psi

[Pressure & Temperature Graphs \(Click here to learn more about graphs\)](#)

**Pressure/Temperature Selection Criteria**



For Additional Information Call Toll Free 1.800.990.7325 or email [info@thermosealinc.com](mailto:info@thermosealinc.com).