

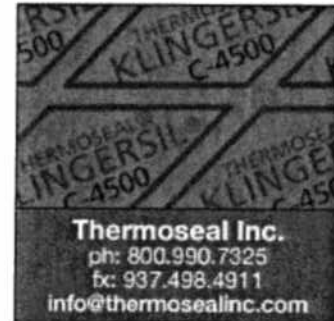
## Carbon Fiber Gasketing

### KLINGERSIL® C-4500

- Carbon Fiber
- Nitrile Binder
- High Temperature
- High Internal Pressure
- Good Steam Sheet
- Suitable for a Wide Range of Chemical Applications

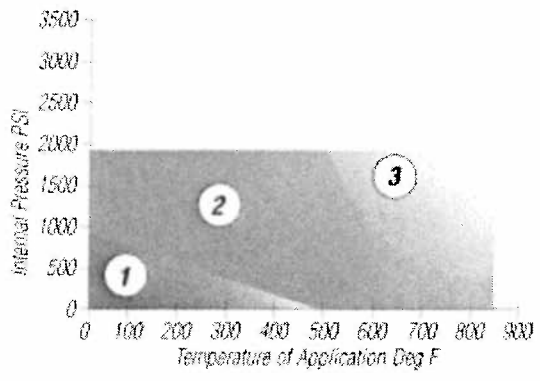
Typical values refer to 1/16" material unless otherwise specified.

See graphs for temperature & pressure limits

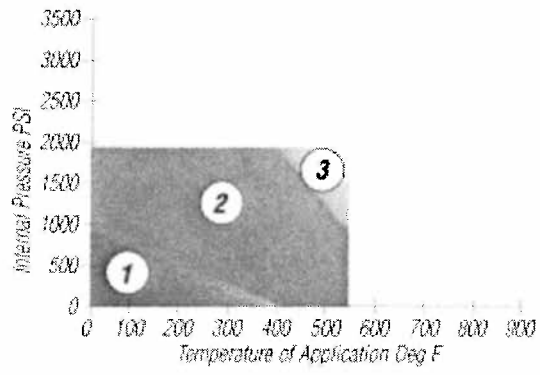


<b>Creep Relaxation</b> ASTM F38B (1/32")	20%
<b>Sealability</b> ASTM F37A (1/32")	<0.30 ml/hr
<b>Gas Permeability</b> DIN 3535/6	<1.0 ml/min
<b>Compressibility</b> ASTM F36J	12%
<b>Recovery</b> ASTM F36J	60% minimum
<b>Klinger Hot Compression Test</b>	
Thickness Decrease 73°F (23°C)	10% initial
Thickness Decrease 572°F (300°C)	15% additional
<b>Weight Increase</b>	
ASTM F146 after immersion in Fuel B 5h/73°F (23°C)	10% maximum
<b>Thickness Increase</b>	
ASTM F146 after immersion in ASTM Oil 1, 5h/300°F (149°C)	0-5%
ASTM Oil IRM903, 5h/300°F (149°C)	0-3%
ASTM Fuel A, 5h/73°F (23°C)	0-5%
ASTM Fuel B, 5h/73°F (23°C)	0-5%
<b>Dielectric Strength</b>	
ASTM D149-95a	1.5 kV/mm
<b>ASTM F104 Line Call Out</b>	F712122B3E11K6M5
<b>Leachable Chloride Content</b> FSA Method (Typical)	200 ppm
<b>Density</b> ASTM F1315	87 lb/ft <sup>3</sup> (1.4 g/cc)
<b>Color</b> (Top/Bottom)	Black
<b>Pressure &amp; Temperature Graphs</b> ( <a href="#">Click here to learn more about graphs</a> ) Material Thickness: 1/16"	

**Liquids**



**Gases & Steam**



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