# Metal Reinforced Gasketing

## KLINGERSIL® C-4509

- Carbon Fiber
- Nitrile Binder
- Good in High Load Applications
- Vibration
- Galvanized Low Carbon Steel Insert

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

See graphs for temperature & pressure limits

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creep Relaxation ASTM F38B (1/32”)</td>
<td>20%</td>
</tr>
<tr>
<td>Compressibility ASTM F36J</td>
<td>12%</td>
</tr>
<tr>
<td>Recovery ASTM F36J</td>
<td>70% minimum</td>
</tr>
</tbody>
</table>

### Klinger Hot Compression Test

- Thickness Decrease 73°F (23°C): 9% initial
- Thickness Decrease 572°F (300°C): 7% additional

### Weight Increase

- ASTM F146 after immersion in Fuel B
  - 5h/73°F (23°C): 10% maximum

### Thickness Increase

- 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%

### Dielectric Strength

- ASTM D149-95a: n/a

### ASTM F104 Line Call Out

- F712112B3E11M8

### Leachable Chloride Content

- FSA Method (Typical): n/a

### Density ASTM F1315

- 125 lb/ft³ (2.0 g/cc)

### Color (Top/Bottom)

- Black
Pressure & Temperature Graphs
Material Thickness: 1/16”

Liquids

Gases & Steam