

KLINGER Thermica

- Universal Gasket Material
- Nitrile Binder for improved flexibility
- Mica reinforced
- Excellent Stability at High Temperatures
- Easy Handling and Fabrication
- Good for Oils, Fuels, Caustics, Steam, and Hydrocarbons

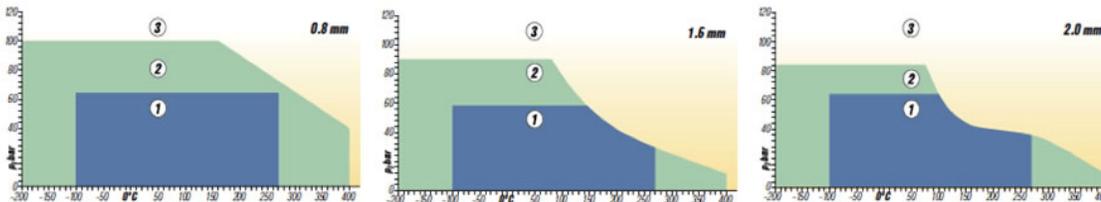
Typical values refer to 2.0 mm material unless otherwise specified.

See graphs for temperature & pressure limits



Compressibility ASTM F36J	12%
Recovery ASTM F36J	55%
Klinger Hot Compression Test 7250 psi	
Thickness Decrease 73°F (23°C)	17%
Thickness Decrease 572°F (300°C)	13%
Thickness Decrease 750°F (400°C)	18%
Stress Relaxation DIN 52913	
7250 psi/572°F	4060 psi
Stress Relaxation BS 7531	
5800 psi/572°F 1.5mm	3916 psi
Tightness acc. BS 7531	< 1.0 ml/min
Thickness increase ASTM F146	
ASTM Oil IRM903 5h/300°F (149°C)	8%

Pressure & Temperature Graphs



The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. Use the pressure and temperature graphs to select the most suitable material for your application.

1. In area one, the gasket material is suitable using common installation practices subject to chemical compatibility.
2. In area two, appropriate measures are necessary for installation of the gasket to ensure maximum performance. Please call or refer to the KLINGER® expert software system for assistance.
3. In area three, do not install gaskets in these applications without first referring to the KLINGER® expert software system or contacting Thermoseal Inc.'s technical support service

These graphs were developed from testing Klinger materials. Do not use them for competitors' materials since non-asbestos gasketing materials do not have service equivalents.

Use: The limitations of use, as shown in the graphs, are for guidance only, and are based on 1/16" thick material. The limitations of use decrease significantly as gasket thickness increases. Do not use a thicker gasket material or "double gaskets" to solve a gasket problem without first consulting the manufacturer. The ability of a gasket material to make and maintain a seal depends not only on the quality of the gasket material, but also on medium being sealed, the flange design, the amount of pressure applied to the gasket by the bolts and how the gasket is assembled into the flanges and tightened.



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