

Cryogenic Service

KLINGERSIL® gasketing materials have no lower temperature limitation; however, with low temperature applications:

- 1) The gasket must be dry and without oil or adhesive when installed and should be stored in a dry atmosphere since the fibers absorb moisture from the air.
- 2) The gasket should not be subjected to severe thermal expansions at the joint assembly.
- 3) The required flange loading must be applied at ambient temperature and must not fall below the required minimum value over the whole range of service temperature.

Gasket Compounds

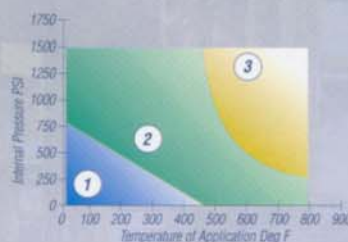
Do not apply gasket compounds, adhesives or anti-stick lubricants to the gasket surface. These compounds will affect surface friction and may deteriorate material, leading to excessive creep relaxation and possible gasket failure due to reduced gasket stress. Thermoseal can apply a factory coating to gasket materials for ease of release. Ask for NST coating when specifying or ordering gasketing material.

For reasons of safety, we advise against the re-use of gaskets. The performance and life of Thermoseal gaskets depend, in large measure, on proper storage and fitting, which are factors beyond the manufacturer's control. We can, however, vouch for the excellent quality of Thermoseal products.



Pressure and Temperature Graphs

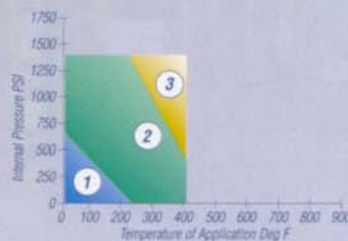
To help you easily decide which KLINGERSIL® material is needed, Thermoseal pressure and temperature graphs have been included to help in your gasket material selection process. If there is still an uncertainty about which KLINGERSIL® material is right for a particular application, Thermoseal offers technical support to help you make the right decision the first time. Simply fax a completed technical service questionnaire, found on the inside back cover of this brochure or on our website at www.thermosealinc.com, and we will provide an immediate recommendation.



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 the 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's technical support service.



These graphs were developed from the testing of KLINGER® materials. Do not use them for