C-6327

Excellent at Low Surface Loads

Material
C-6327 Gasket sheet is based on an SBR binder with aramid and organic fibres.
Thanks to the controlled swelling in oil and fuels, it offers excellent conformity to the flange faces at low surface loads.

Fields of Application
Body gaskets for liquids and steam at lower pressures, temperatures & low bolt loads, eg transformer gaskets.

Standards
Meets BS7531 Grade X

Dimensions
Sheet Size: 2,000 mm x 1,500 mm

Thicknesses: 0.4mm, 0.5mm, 0.8mm, 1.0mm, 1.5mm, 3.0mm; Other thicknesses on request

Tolerances: Thickness: ± 10%
Length: ± 50 mm
Width: ± 50 mm

Typical Values		
Compressibility to ASTM F 36J	25	%
Recovery to ASTM F 36J; min	> 45	%
Stress Relaxation to DIN 52913 @ 50 MPa for 16 h/175°C	25	MPa
Thickness Increase to ASTM F146 In ASTM Oil No. 3 for 5 h/150°C	45	%
Weight Increase to ASTM F146 In ASTM Oil No. 3 for 5 h/150°C	45	%
Thickness Increase to ASTM F146 In ASTM Fuel B for 5 h/23°C	30	%
Weight Increase to ASTM F146 In ASTM Fuel B for 5 h/23°C	30	%
Density	1.7	g/cm³

Function and Durability
The performance and service life of C-6327 gaskets depend in large measure on proper storage and fitting, factors beyond the manufacture's control. With this in mind, please ensure that the correct installation instructions are followed.

Important Points to be Observed
With heightened awareness of safety and environmental issues, reducing leaks from flanged assemblies has become a major priority for industry.
It is therefore important for companies who use gaskets to choose the correct material for the job and install and maintain it correctly to ensure optimum performance.

Subject to technical alterations without notice

Phone: 1300 098 060 **Web**: www.agaus.com.au

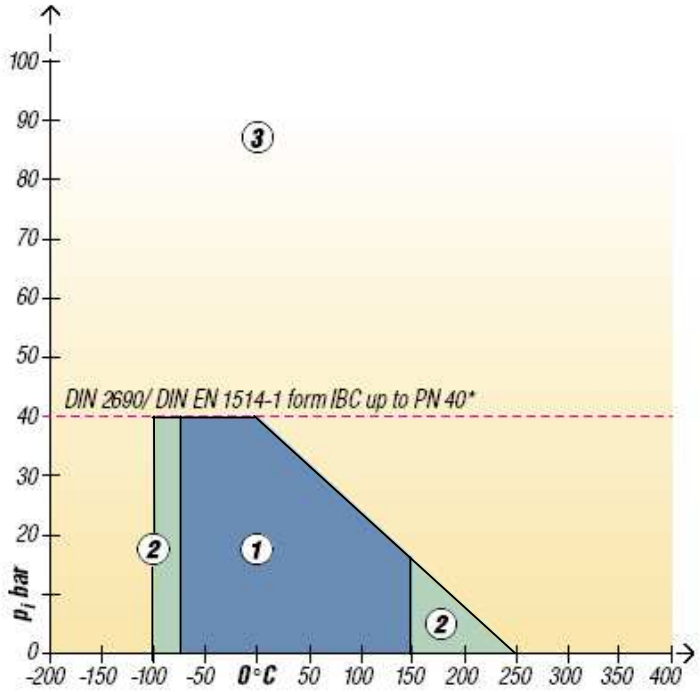
Rev: 30-6-2004 V000001 0430R50715AGDOCg

Associated Gaskets Pty Ltd providing Quality first solutions

C-6327

Selecting Gaskets with pT Diagrams

The Klinger pT diagram provides guidelines for determining the suitability of a particular gasket material for a specific application based on the operating temperature and pressure only.
Maximum temperature and pressure values alone can not define a material's suitability for an application. Additional stresses such as fluctuating load may significantly affect the suitability of a gasket in the application and must be considered separately. Always refer to the chemical resistance of the gasket material to the fluid.



Areas of Application

In area one: ① the gasket material is normally suitable subject to chemical compatibility.

In area two: ② the gasket materials may be suitable but a technical evaluation is recommended.

In area three: ③ do not install the gasket without a technical evaluation. Always refer to the chemical resistance of the gasket material to the fluid.

NOTE

If the gasket is to be subjected to non-static loading and stress fluctuations due to temperature and pressure cycling, it is advisable to select a gasket material which is less prone to embrittlement with increasing temperatures e.g. Graphite S/Steel laminate or Topchem. In cyclic loading conditions Klinger suggest a minimum surface stress of 30 MPa and that the gasket should be as thin as is practicable. For safety reasons never re-use gaskets.

Subject to technical alterations without notice
Klingersil C-6327 is a product of Klinger Limited

Phone: 1300 098 060 **Web**: www.agaus.com.au

Rev: 30-6-2004 V000001 0430R50715AGDOCg