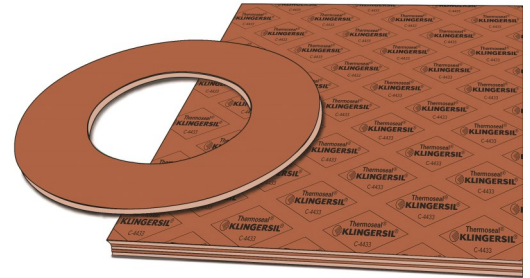


KLINGERSIL® C-4433

The ultimate steam sheet

KLINGERSIL® C-4433 is the ultimate steam sheet. It is excellent at higher temperatures and has outstanding load bearing properties and excellent creep relaxation properties. This all purpose utility sheet's range of applications is expanded for most petroleum based media such as lubrication and hydraulic oils, solvents, and natural gas.

This material is manufactured with a combination of fiberglass and aramid and inorganic fibers reinforced with a nitrile binder.



TYPICAL VALUES REFER TO 1/16" THICK MATERIAL UNLESS NOTED

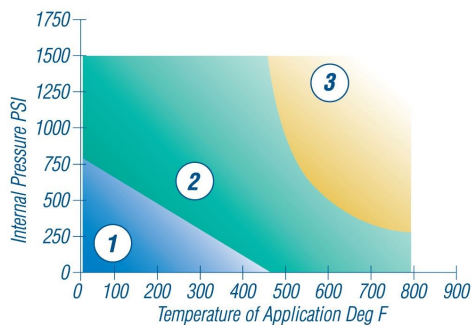
Creep relaxation ASTM F38B (1/32")	20 %
Sealability ASTM F37A (1/32")	< 0.3 ml/hr
Gas Permeability DIN 3535/6	< 0.2 ml/min
Compressibility ASTM F36J	8 - 14 %
Recovery ASTM F36J	50 % minimum
KLINGER Hot Compression Test	
Thickness Decrease 73°F (23°C)	12 % initial
Thickness Decrease 572°F (300°C)	8 % 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 IRM 901, 5h/300°F (149°C)	0 – 5 %
ASTM Oil IRM 903, 5h/300°F (149°C)	0 – 4 %
ASTM Fuel A, 5h/73°F (23°C)	0 – 5 %
ASTM Fuel B, 5h/73°F (23°C)	0 – 7 %
Dielectric Strength ASTM D149-95a	21 kV/mm
Density ASTM F1315	112 lb/ft ³ (1.8 g/cc ³)
Leachable Chloride Content FSA Method	150 ppm
ASTM F104 Line Call Out	F712132B3E12K6M5
Color	Red

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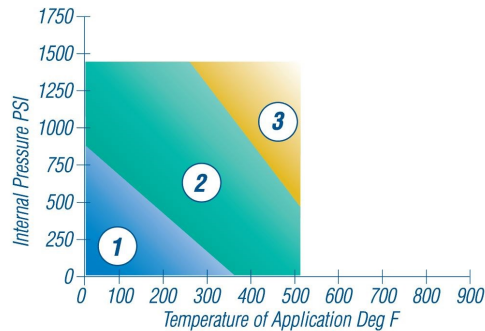
The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. However, chemical compatibility must also be considered.

pT diagram for thickness 1/16”:

LIQUIDS



GASES & STEAM



In area ① the gasket material is suitable using common installation practices subject to chemical compatibility.

In area ② appropriate measures are necessary for installation of the gasket to ensure maximum performance. Please call or refer to KLINGERexpert for assistance.

In area ③ do not install gaskets in these applications without first referring to KLINGERexpert or contacting KLINGER’s technical support service.

The ability of a gasket to make and maintain a seal depends not only on the style and 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 onto the flanges and tightened. These factors are beyond the manufacturer’s control.

KLINGER Thermoseal

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