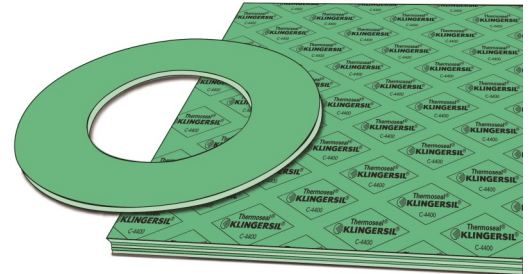


KLINGERSIL® C-4400

Universal gasket material for safe and reliable sealing

KLINGERSIL® C-4400 is a universal material for a wide range of applications. This material is resistant to oils, water, steam, gases, salt solutions, fuels, alcohols, moderate organic and inorganic acids, hydrocarbons, lubricants and refrigerants.

This material is manufactured with aramid fiber reinforced with a nitrile binder.



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

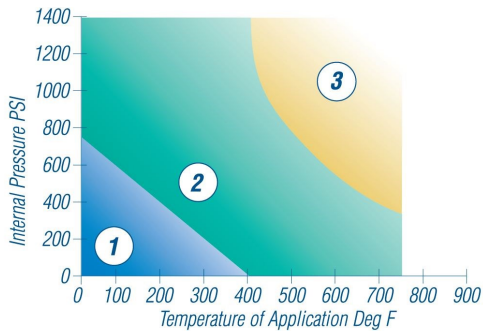
Creep relaxation ASTM F38B (1/32")	20 %
Sealability ASTM F37A (1/32")	< 0.3 ml/hr
Gas Permeability DIN 3535/6	< 0.5 ml/min
Compressibility ASTM F36J	8 - 14 %
Recovery ASTM F36J	50 % minimum
KLINGER Hot Compression Test	
Thickness Decrease 73°F (23°C)	14 % initial
Thickness Decrease 572°F (300°C)	20 % additional
Thickness Increase ASTM F146 after immersion in	
ASTM Oil IRM 903, 5h/300°F (149°C)	0 - 5 %
ASTM Fuel B, 5h/73°F (23°C)	0 - 10 %
Dielectric Strength ASTM D149-95a	21.6 kV/mm
Density ASTM F1315	100 lb/ft ³ (1.6 g/cc ³)
Color	Green

KLINGERSIL® C-4400

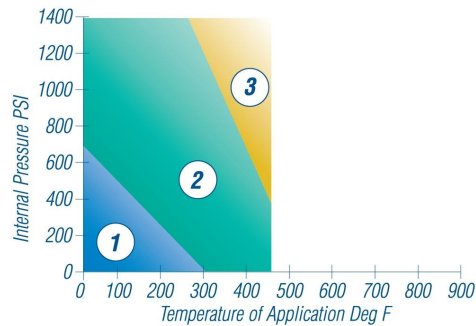
The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. However, chemical compatibility must also be considered.

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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