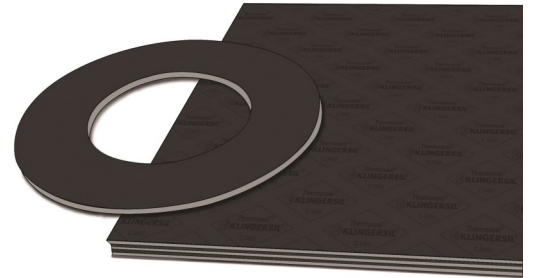


# KLINGERSIL® C-5400

High performance premium sheet

KLINGERSIL® C-5400 gasket material is a high performance premium sheet that is chemically stable and provides excellent sealability in many applications including refrigerants, oils, gas and fuels.

This material is manufactured with synthetic fiber reinforced with a neoprene binder.



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

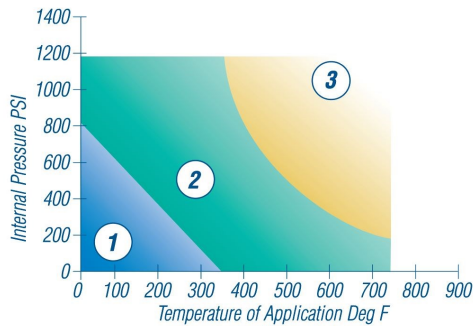
Creep relaxation ASTM F38B (1/32")	25 %
Sealability ASTM F37A (1/32")	< 0.2 ml/hr
Gas Permeability DIN 3535/6	< 0.5 ml/min
Compressibility ASTM F36J	7 - 15 %
Recovery ASTM F36J	50 % minimum
KLINGER Hot Compression Test	
Thickness Decrease 73°F (23°C)	13 % initial
Thickness Decrease 572°F (300°C)	23 % additional
Weight Increase ASTM F146 after immersion in Fuel B, 5h/73°F (23°C)	15 % 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)	5 - 20 %
ASTM Fuel A, 5h/73°F (23°C)	0 - 5 %
ASTM Fuel B, 5h/73°F (23°C)	0 - 10 %
Dielectric Strength ASTM D149-95a	18 kV/mm
Density ASTM F1315	106 lb/ft <sup>3</sup> (1.7 g/cc <sup>3</sup> )
Leachable Chloride Content FSA Method	500 ppm
ASTM F104 Line Call Out	F712232B3E22K6M5
Color	Black or white

## KLINGERSIL® C-5400

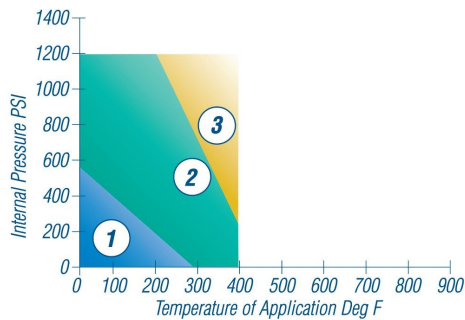
The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. However, chemical compatibility must also be considered.

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 Thermoseal Inc.'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.



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