

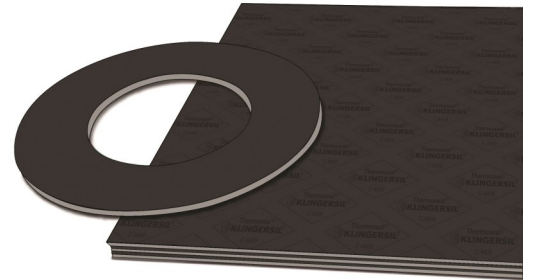
# KLINGERSIL® C-4408

Universal high pressure gasket material for industrial applications

KLINGERSIL® C-4408 is a universal high pressure gasket material for industrial applications. This material has a low carbon steel woven mesh insert that improves stress relaxation and makes this material suitable for fluctuating temperatures and pressures.

C-4408 has good resistance to oils, fuels and hydrocarbons.

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



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

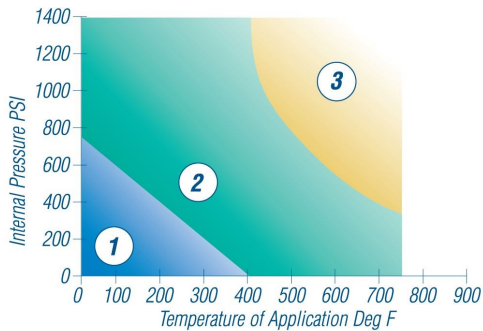
Creep relaxation <b>ASTM F38B</b> (1/32")	20 %
Compressibility <b>ASTM F36J</b>	6 - 12 %
Recovery <b>ASTM F36J</b>	50 % minimum
KLINGER Hot Compression Test	
Thickness Decrease 73°F (23°C)	12 % initial
Thickness Decrease 572°F (300°C)	22 % additional
Weight Increase <b>ASTM F146</b> after immersion in Fuel B, 5h/73°F (23°C)	10 % maximum
Thickness Increase <b>ASTM F146</b> after immersion in	
ASTM Oil IRM 901, 5h/300°F (149°C)	0 - 5 %
ASTM Oil IRM 903, 5h/300°F (149°C)	0 - 5 %
ASTM Fuel A, 5h/73°F (23°C)	0 - 5 %
ASTM Fuel B, 5h/73°F (23°C)	0 - 5 %
Density <b>ASTM F1315</b>	119 lb/ft <sup>3</sup> (1.9 g/cc <sup>3</sup> )
<b>ASTM F104</b> Line Call Out	F712112B3E11M6
Color	Black

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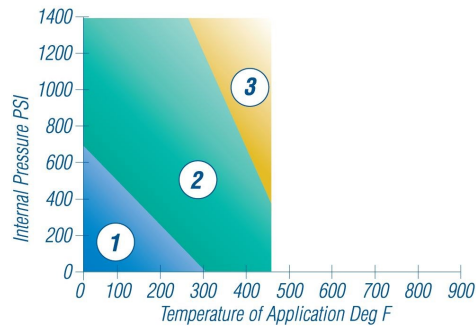
The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. However, chemical compatibility must also be considered.

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 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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