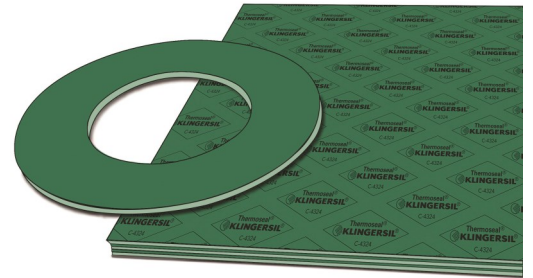


# KLINGERSIL® C-4324

Universal gasket material for a wide range of applications

KLINGERSIL® C-4324 is a universal gasket material for a wide range of applications and is a good general-purpose material suitable for use in liquids and steam at lower pressures and temperatures.

This compressed fiber gasket material is manufactured with a combination of synthetic high-performance fibers reinforced with a nitrile binder.



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

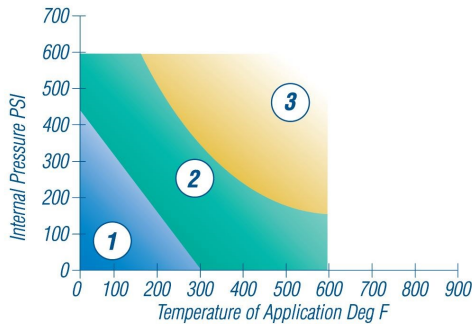
Creep relaxation ASTM F38B (1/32")	25 %
Sealability ASTM F37A (1/32")	< 0.5 ml/hr
Gas Permeability DIN 3535/6	< 0.5 ml/min
Compressibility ASTM F36J	7 - 15 %
Recovery ASTM F36J	50 % minimum
KLINGER Hot Compression Test	
Thickness Decrease 73°F (23°C)	12 % initial
Thickness Decrease 572°F (300°C)	20 % additional
Weight Increase ASTM F146 after immersion in Fuel B, 5h/73°F (23°C)	12 % 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 - 5 %
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	13 kV/mm
Density ASTM F1315	112 lb/ft <sup>3</sup> (1.8 g/cc <sup>3</sup> )
Leachable Chloride Content FSA Method	250 ppm
ASTM F104 Line Call Out	F712132B4E32K6M4
Color	Green/Grey

## KLINGERSIL® C-4324

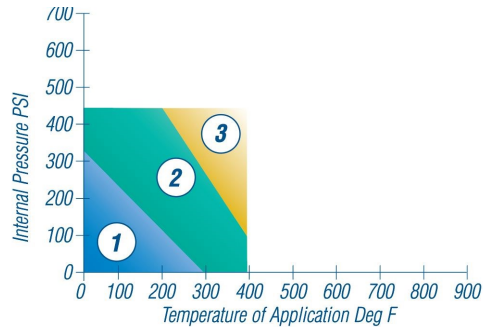
The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. However, chemical compatibility must also be considered.

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.



Thermoseal Inc.  
2350 Campbell Road, Sidney, Ohio 45365  
Tel: +1 937 498 2222

3803 S. Sam Houston Parkway W., Houston, Texas 77053  
Tel: +1 713 997 8111