KLINGERSIL C-4401

- Synthetic Fiber
- Nitrile Binder
- Excellent Sealability
- Excellent Chemical Resistance
- Good Creep Relaxation
- General Purpose Sheet

Typical values refer to 1/16" material unless otherwise specified.
See graphs for temperature & pressure limits

Creep Relaxation ASTM F388 (1/32") 20%
Sealability ASTM F37A (1/32") < 0.25 ml/hr
Gas Permeability DIN 3535/6 < 0.5 ml/min
Compressibility ASTM F36j 7%
RecoveryASTM F36j 50% minimum

Klinger Hot Compression Test
Thickness Decrease 73°F (23°C) 10.5% initial
Thickness Decrease 572°F (300°C) 17% 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 I, Sh/300°F (149°C) 0-5%
ASTM Oil IRM903, Sh/300°F (149°C) 0-5%
ASTM Fuel A, Sh/73°F (23°C) 0-5%
ASTM Fuel B, Sh/73°F (23°C) 0-7%

Dielectric Strength
ASTM D149-95a 14 kV/mm

ASTM F104 Line Call Out
F712121B3E12K6M5

Leachable Chloride Content
FSA Method (Typical) 100 ppm

Density ASTM F1315 112 lb/ft³ (1.8 g/cc)

Color (Top/Bottom) Green

Pressure & Temperature Graphs

Material Thickness: 1/16"

The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. Use the pressure and temperature graphs to select the most suitable material for your application.

1. In area one, the gasket material is suitable using common installation practices subject to chemical compatibility.
2. In area two, appropriate measures are necessary for installation of the gasket to ensure maximum performance. Please call or refer to the KLINGER® expert software system for assistance.
3. In area three, do not install gaskets in these applications without first referring to the KLINER® expert software system or contacting Thermoseal Inc.’s technical support service.

These graphs were developed from testing Klinger materials. Do not use them for competitors’ materials since non-asbestos gasketing materials do not have service equivalents.

**Use:** The limitations of use, as shown in the graphs, are for guidance only, and are based on 1/16” thick material. The limitations of use decrease significantly as gasket thickness increases. Do not use a thicker gasket material or “double gaskets” to solve a gasket problem without first consulting the manufacturer. The ability of a gasket material to make and maintain a seal depends not only on the 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 into the flanges and tightened. Thermoseal engineers can advise on gasket selection and installation based on specified operating conditions. If you are in any doubt, fax us at 937.498.4911 or phone us at 937.498.2222.

For Additional Information Call Toll Free 1.800.990.7325 or email info@thermosealinc.com