

Metal Reinforced Gasketing

EXPANDED METAL REINFORCED KLINGERSIL®

C-4439

- Fiberglass, Aramid & Inorganic Fibers
- Nitrile Binder
- High Temperature & Stress
- Vibration
- Galvanized Low Carbon Steel Insert

EXPANDED METAL REINFORCED KLINGERSIL®

C-4509

- Carbon Fiber
- Nitrile Binder
- Good in High Load Applications
- Vibration
- Galvanized Low Carbon Steel Insert

Distinguishing Characteristics & Applications

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

See pages 16 and 17 for test procedures

Creep Relaxation ASTM F38B (1/32")

Sealability ASTM F37A (1/32")

Gas Permeability DIN 3535/6

Compressibility ASTM F36J

Recovery ASTM F36J

Klinger Hot Compression Test

Thickness Decrease 73°F (23°C)

Thickness Decrease 572°F (300°C)

Weight Increase

ASTM F146 after immersion in Fuel B

5h/73°F (23°C)

Thickness Increase

ASTM F146 after immersion in:

ASTM Oil 1, 5h/300°F (149°C)

ASTM Oil IRM # 903, 5h/300°F (149°C)

ASTM Fuel A, 5h/73°F (23°C)

ASTM Fuel B, 5h/73°F (23°C)

Dielectric Strength ASTM D149-95a

Leachable Chloride Content

F.S.A. Method (Typical)

Density

Color (Top/Bottom)

ASTM F104 Line Call Out

Pressure and Temperature Graphs

Material Thickness: 1/16"

Liquids

Gases and Steam

20%

N/A

N/A

7%

50% Minimum

8% Initial

4% Additional

9% Maximum

0-5%

0-5%

0-5%

5-10%

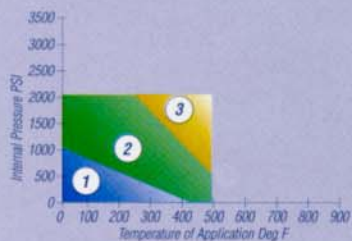
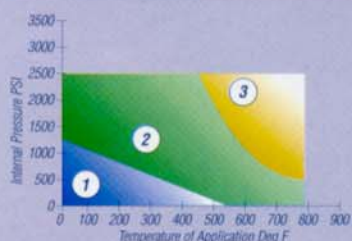
10 kV/mm

150 ppm

131 lb/ft³ (2.1 g/cc)

Red

F712112B3E12K6M8



20%

N/A

N/A

12%

70% Minimum

9% Initial

7% Additional

10% Maximum

0-5%

0-3%

0-5%

0-5%

N/A

N/A

125 lb/ft³ (2.0 g/cc)

Black

F712112B3E11M8

