

Carbon Fiber Gasketing

Chemical Resistant Gasketing

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

KLINGERSIL® C-4500

- Carbon Fiber
- Nitrile Binder
- High Temperature
- High Internal Pressure
- Good Steam Sheet
- Suitable for a Wide Range of Chemical Applications

20%

< 0.30 ml/hr

< 1.0 ml/min

12%

60% Minimum

10% Initial

15% Additional

10% Maximum

0-5%

0-3%

0-5%

0-5%

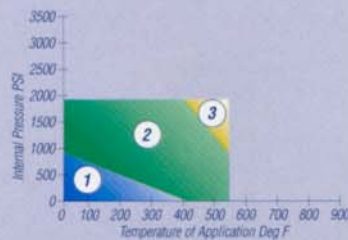
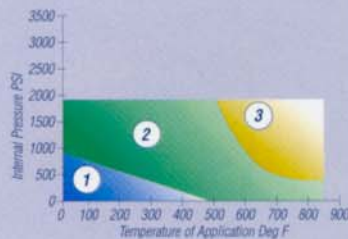
1.5 kV/mm

200 ppm

87 lb/ft³ (1.4 g/cc)

Black

F712122B3E11K6M5



KLINGERSIL® C-7400

- Synthetic Fiber
- EPDM Binder
- Moderate Caustics & Acids
- Good Oil Swell Characteristics
- Excellent Aging Properties
- Good in Light Duty Steam

25%

< 0.30 ml/hr

< 0.5 ml/min

7%

50% Minimum

(tested at 3,625-psi gasket stress)

9% Initial

5% Additional

15% Maximum

0-15%

15-30%

0-20%

5-20%

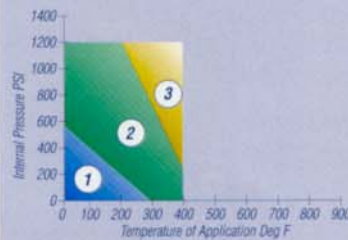
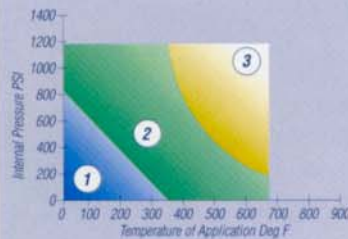
22 kV/mm

200 ppm

94 lb/ft³ (1.5 g/cc)

White/Grey

F712441B4E24K6M5



KLINGERSIL® C-8200

- Synthetic Fiber
- Hypalon® Binder
- Acid Resistant
- Good Oil-Fuel Resistance
- Good Gas Sealability
- No Color Added

30%

< 0.30 ml/hr

< 0.5 ml/min

9%

50% Minimum

(tested at 3,625-psi gasket stress, and to 392°F (200°C))

7% Initial

17% Additional

10% Maximum

0-5%

5-10%

0-5%

0-10%

9 kV/mm

N/A

106 lb/ft³ (1.7 g/cc)

Off White

F712100B5E22K6M5

