

400 SERIES Flange Gasketing Materials

450 Synthetic Fiber Sheet

A low temperature, non-asbestos sheet gasketing material which is suitable for general services to 390°F (200°C), 365 psi (25 bar).

450 sheet gasketing is recommended for use in water, gas, brine and steam applications.

Not recommended for use in chlorinated hydrocarbons, aromatic and ester ketones.

Typical Properties

Maximum Temperature:

390°F (200°C)

Maximum Pressure:

365 psi (25 bar)

Compressibility (ASTM-F36): 7-17%

Sealability (ASTM-F37): 0,25 ml/hr

Creep Relaxation

(ASTM-F38): 20%

Recovery (ASTM-F36): 50%

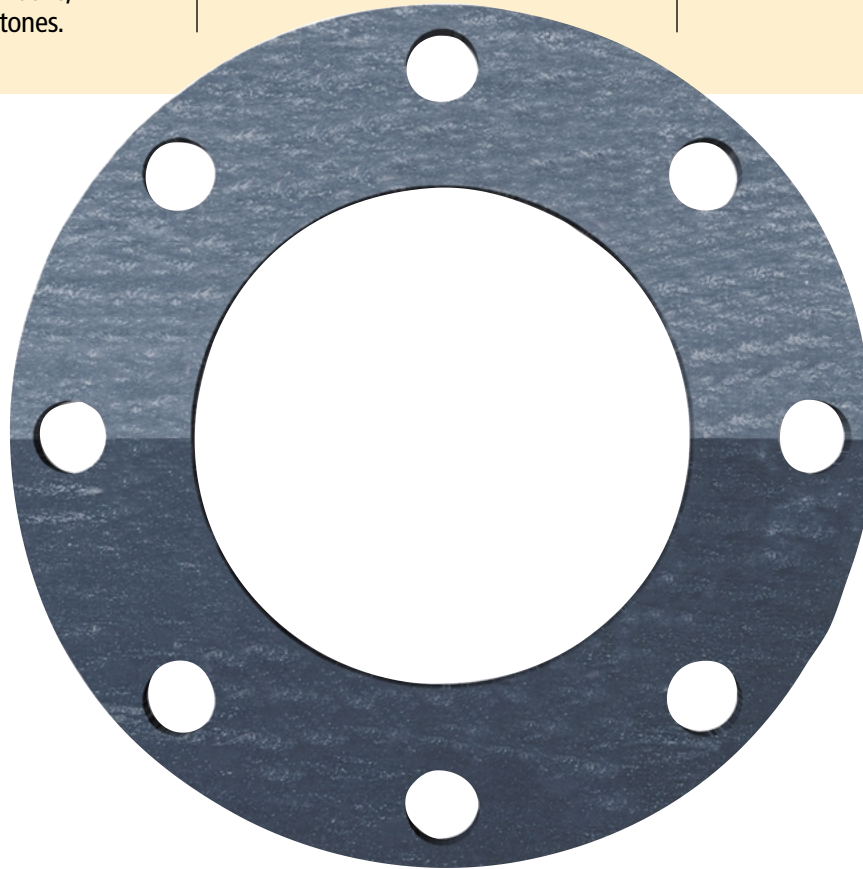
Tensile Strength

Across Grain (ASTM-F152):

1600 psi (110 bar)

P x T = 125,000 (°F x psi)

P x T = 4,375 (°C x bar)



457 Carbon Fiber/Nitrile Binder

A high temperature, non-asbestos sheet gasketing material formulated for a wide variety of gasketing needs to 840°F (450°C), 1470 psi (100 bar).

457 is recommended for use in a broad range of steam, water, oil and hydrocarbon applications.

Not recommended for use in chlorinated hydrocarbons, aromatic and ester ketones.

Typical Properties

Maximum Temperature:

840°F (450°C)

Maximum Pressure:

1470 psi (100 bar)

Compressibility (ASTM-F36): 5-15%

Sealability (ASTM-F37): 0,30 ml/hr

Creep Relaxation

(ASTM-F38): 30%

Recovery (ASTM-F36): 50%

Tensile Strength

Across Grain (ASTM-F152):

1500 psi (100 bar)

P x T = 600,000 (°F x psi)

P x T = 21,800 (°C x bar)