



PRODUCT 459

GRAPHITE SHEET W/ NICKEL REINFORCEMENT

Product 459 is a nickel foil reinforced flexible graphite sheet gasketing material. This material is designed for use in high temperature, high pressure flange applications. It has excellent chemical resistance and can be used up to 850°F (454°C) in an oxidizing atmosphere and 1600°F (870°C) in a non-oxidizing atmosphere.

TYPICAL PROPERTIES

Maximum Temperature - 1600°F (870°C) non-oxidizing
850°F (454°C) oxidizing

Minimum Temperature - -328°F (-200°C)

Compressibility (ASTM-F36) - 35% Minimum

Recovery (ASTM-F36) - 10% Minimum

Sealability (ASTM F37) - 0.5 ml/hr Maximum

Creep Relaxation (ASTM F38) - <5%

Tensile Strength along Length (ASTM F152) - 500 psi

Thickness		Dimensions		AWC Item #
Inches	MM	Inches	M	
-	0,50	39.4 x 39.4	1,00 x 1,00	005042
1/32	0,75	39.4 x 39.4	1,00 x 1,00	005038
-	1,0	39.4 x 39.4	1,00 x 1,00	005043
1/16	1,5	39.4 x 39.4	1,00 x 1,00	005039
-	2,0	39.4 x 39.4	1,00 x 1,00	005044
1/8	3,0	39.4 x 39.4	1,00 x 1,00	005040