

459

Graphite

Chesterton 459 graphite sheet with a nickel foil reinforcement is designed for use in high temperature, high pressure flange applications. The nickel foil makes 459 easier to cut than other reinforced gasket sheets. It has excellent chemical resistance and can be used up to 870°C (1600°F) in a non-oxidizing atmosphere.



Product Reorder

Thickness		Dimensions		Reorder Number
mm	Inch	M	Inch	
0,8	1/32	1,00 x 1,00	39.4 x 39.4	005038
0,5	–	1,00 x 1,00	39.4 x 39.4	005042
1,0	–	1,00 x 1,00	39.4 x 39.4	005043
1,6	1/16	1,00 x 1,00	39.4 x 39.4	005039
2,0	–	1,00 x 1,00	39.4 x 39.4	005044
3,0	1/8	1,00 x 1,00	39.4 x 39.4	005040
2,4	3/32	1,00 x 1,00	39.4 x 39.4	005050

Technical Data

Temperature Limit:

870°C (1600°F) non-oxidizing
450°C (850°F) oxidizing

Pressure Limit:

140 bar g (2000 psig)

Compressibility (ASTM-F36)

35% minimum

Creep relaxation (ASTM-F38):

<5% maximum

Recovery (ASTM-F36):

10% minimum

$P \times T = 60,000$ (°C x bar g)

$P \times T = 1,600,000$ (°F x psig)

Color: Grey