

Graphite Foil

Graphite foil is an excellent sealing material for high temperature, high-pressure transfer of liquids, gases, steam, chemicals and corrosives. It is manufactured from high purity, high crystalline natural graphite flakes, which are processed into continuous foil by special acid and thermal treatments to produce expanded graphite crystals. The expanded graphite crystals are then formed into foil through a calendaring process without any resins and binders.

- Rolls up to 60 inches wide, 1000 feet long
- Thickness range 0.006 to 0.060 inch (available in rolls)
- Thickness range 0.060 to 0.250 inch (available in sheets up to 60x60 in)
- Custom shapes & gaskets cut to print
- Volume discounts up to 50% - Call for pricing!!

Graphite Foil Properties	Units	Nuclear Grade	High Purity	Standard Purity
Carbon Content	(%)	99.9	99.7	99
Sulfur Content	(ppm)	< 200	300	1000
Chloride Content	(ppm)	0	10	45
Ash	(%)	0.0	0.5	1.0
Density	(g/cm ³)	1.0	1.0	1.0
Tensile Strength	(Mpa)	6.5	5.5	4.5
Compressive Strength	(Mpa)	220	200	180
Compressing Modulus	(%)	120.0	120.0	120.0
Recovery	(%)	> 10%	> 10%	> 10%
Specific Resistance	(μΩ-m)	10	7	5
Compatible pH	pH	0-14	0-14	0-14
Max Temp (in Air)	°C	450	450	450
Max Temp (in Steam)	°C	700	700	700
Max Temp (in Vacuum)	°C	3000	3000	3000
Availability		Special Order only	In Stock	In Stock

