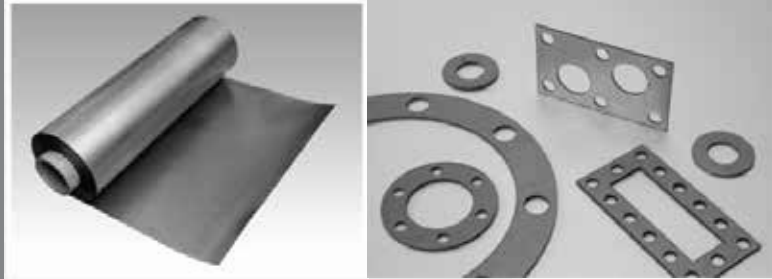


ARAFOIL 6000 FLEXIBLE GRAPHITE SHEET

Pure Expanded Flexible Mineral Graphite

Arafoil 6000 is a high purity plain homogenous mineral graphite gasket sheets with corrosion inhibitor incorporated, does not contain any fillers or resins. Available in pure sheet form, steel tanged inserted, steel foil inserted (1 ply or 2 ply), plane and crinkled tape with or without adhesive. Graphite is well known for its high resistance to corrosion against a wide variety of acids, alkalis, salt solutions, organic compounds and heat transfer fluids at higher temperatures.



Suitable for

Mild acids and alkalis
 Chemical plants, refineries & reactors.
 Steam cycling exhausters and Chimneys
 Ozone Resistant
 Natural gas friendly
 Petroleum and its derivatives
 Cryogenic applications

Specialties

Low creep gasket maintain stable bolt load
 Low permeability to gas and liquids.
 High resistance to Temperature & pressure
 Good anti-sticking agent to flange surfaces
 Scratch resistant
 Low diffusion rate and high blow out resistance
 Long Shelf Life.

Operating Conditions

Temperature Range	(Non-Oxidizing Media)	-200°C/-328°F to 3300°C/5972°F
Temperature	(Oxidizing Media) Continuous	-200°C/-328°F to 400°C/750°F
Temperature (Steam)		650°C/1200°F
Pressure	(bar/psi)	140/2000

STYLE: ARAFOIL 6000 FLEXIBLE GRAPHITE SHEET

Properties

Bulk Density	ASTM C 559	1.12g/cc
Ash Content	ASTM C-561	Less than 0.5%
Compressibility	ASTM F36J	40-60%
Recovery	ASTM F36J	20-40%
Creep Relaxation	(44Mpa Load up to 400°C)	<4%
Tensile Strength	ASTM F152	6.6Mpa (for 0.25mm Thk)
pH Range	0 to 14 chemically inert	
modulus of Elasticity	1/8" (3.2mm Thk)	2.0
Yield Stress	1/8" (3.2mm Thk)	900 psi (6.22 Mpa)

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice.

Deviations from the values hereabove indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.

