



GARDICO INCORPORATED

5463
Graphite Gasket Sheet
Bonded to both sides of
a .002" stainless steel core

CONSTRUCTION

Style **5463** is a flexible graphite sheet material adhesively bonded to a .002" 316 stainless steel core. The color is silver gray.

APPLICATION / SERVICE

Style **5463** has very good pressure-temperature capabilities being highly compactible and compressible. It is resistant to almost all organic and inorganic fluids. It has low gas permeability, low electrical resistance and excellent anti-stick properties.

Gaskets seal with low to moderate bolt loads. With the low creep relaxation, re-torquing is rarely required.

Temperature rating	in air	480°C (900°F)
	in steam	980°C (1800°F)

Pressure rating 2000 psi (140 bar)

PRODUCT DATA

VALUES

TEST METHOD

Typical

Compression: @ 34.5MPa (5000 psi)	35%	ASTM F-36
Recovery, min: @ 34.5MPa (5000 psi)	18%	ASTM F-36
Creep relaxation	12%	ASTM F-38

Purity of Graphite	(min)	95%
Leachable Chlorides	(max)	50 ppm

Density 62 to 70 lb/ft³

Available Sheet Sizes:

Thicknesses:	1/32", 1/16", 3/32", 1/8", 3/16", 1/4"
Sheet Sizes:	39.4" x 39.4", 60" x 60"

The above values are typical properties and are provided for information only. They should not be used to set specification requirements. It is up to the end user to determine whether the material is suitable for the intended application.