

Flexible Graphite

Flexible graphite is made by immersing natural flake graphite in a bath of chromic acid, then concentrated sulfuric or nucleic acid, which forces the crystal lattice planes apart, thus expanding the graphite. It is an ideal material for gasketing and sealing applications and can also be used in many other applications including heat dissipation, lubrication, stress sensing, vibration damping, and other thermal or electronic or electrochemical applications.

Plain Flexible Graphite

Density:	70Lb/ft ³
Max Temp:	900°F
Max Pressure:	1500psi
Compressability@5000psi:	49%
Recovery Minimum(%):	15%
Creep Relaxation ASTM F38B (max %):	4%
Gas Permeability - Nitrogen DIN3535/6:	2800
Pressure x Temperature (P x T):	700,000
Ash Content - Din 51903:	<1%
Chloride and Fluoride Content:	<50ppm



Flexible Graphite w/ SS Foil Insert

Density:	70Lb/ft ³
Max Temp:	900°F
Max Pressure:	2000psi
Compressability@5000psi:	35%
Recovery Minimum(%):	17%
Creep Relaxation ASTM F38B (max %):	4%
Gas Permeability - Nitrogen DIN3535/6:	2800
Pressure x Temperature (P x T):	700,000
Ash Content - Din 51903:	<1%
Chloride and Fluoride Content:	<50ppm



Flexible Graphite w/ SS Tang Insert

Density:	70Lb/ft ³
Max Temp:	900°F
Max Pressure:	2000psi
Compressability@5000psi:	35%
Recovery Minimum(%):	17%
Creep Relaxation ASTM F38B (max %):	4%
Gas Permeability - Nitrogen DIN3535/6:	2800
Pressure x Temperature (P x T):	700,000
Ash Content - Din 51903:	<1%
Chloride and Fluoride Content:	<50ppm

