

Working Temperature Range			
Oxidizing Atmosphere (such as air)	-240 °C	to	510 °C
Mild Oxidizing Atmosphere of most gasket applications	-240 °C	to	850 °C
Non-Oxidizing Atmosphere	-240 °C	to	3000 °C



Product Description

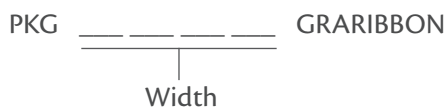
Graphoil ribbon is slit and corrugated (crinkled) from industrial grade 2010-B graphite material. Most flexible graphites have a carbon content of 95%–98%. We provide a high purity content of 99% carbon. This allows for better chemical resistance, thermal conductivity, and sealing. Graphoil ribbon can be used as a valve stem package, gasket, or seal. It can also be used to make die-formed rings. Standard tapes are supplied without special treatments.

Hi-Tech Seals offers graphite crinkle ribbon in standard thicknesses of 0.015" by 50' lengths. The available widths are 1/2" and 3/4".

Other Properties	
Thermal Conductivity	
Parallel to Sheet Surface	960 BTU. in/ft
Through Thickness	36 BTU. in/ft
Coefficient of Friction (Against Steel)	0.018 @ 4 psi (0.03 Mpa) 0.157 @ 12 psi (0.08 Mpa)
Compressibility (ASTM F-36)	44%
Recovery (ASTM F-36)	15%
Creep Relaxation (ASTM F-38)	Less than 5%
Sealability (ASTM F-37)	0.017 fluid ounce/hr (0.5 ml/hr)

Technical Data	
Bulk Density	70 lbs/cu.ft. (1.1 g/cc)
Tensile Strength	650 psi (4.4 Mpa)
Carbon Content	99% Min.
Ash Content	1% Max.
Sulfur Content	900 ppm Max.
Leachable Chloride Content	50 ppm Max.

Part Numbers:



Example: PKG 0500GRARIBBON – 1/2" wide, Crinkled, Graphoil Ribbon