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

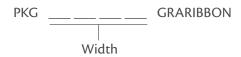
Graphoil ribbon is slit and corrugated (crinkled) from industrial-grade GR99 graphite material. Most flexible graphites have a carbon content of 95%-98%. We provide a high purity content of 99% carbon. This allows for better chemical resistance, thermal conductivity, and sealing. Graphoil ribbon can be used as a valve stem package, gasket, or seal. It can also be used to make dieformed rings. Standard tapes are supplied without special treatments.

We offer graphite crinkle ribbon in standard thicknesses of 0.015" by 50' lengths. The available widths are 1/2" and 3/4".

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

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

Part Numbers:



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