Crinkled Graphite Foil Tape

High purity, flexible graphite tape, no binders or fillers.

2020–Z Crinkled Tape, No adhesive
Slit and corrugated from high purity flexible graphite foil, 99%
Special treatments for corrosion & oxidation resistance available upon request

2020–ZH Crinkled with Adhesive Back
Slit and corrugated from high purity flexible graphite foil, 99%
pressure sensitive adhesive(PSA) is applied on one side of the tape as self adhesive backing.

Main Physical and Chemical Properties
Bulk Density: 70 lb/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: 50 ppm Max

Other Properties
Working Temperature Range:
Oxidizing Atmosphere; -400°F to 950°F (-240°C to 510°C)
Mild Oxidizing Atmosphere; -400°F to 1500°F (-240°C to 850°C)
Non-Oxidizing Atmosphere; -400°F to 5400°F (-240°C to 3000°C)

Thermal Conductivity:
Parallel to Sheet Surface: 960 BTU-in/ft2.h.F (140 W/m.K)
Through Thickness: 36 BTU-in/ft2.h.F (5W/m.K)

Coefficient of Friction (Against Steel): 0.018 @ 4 psi (0.03Mpa), 0.157 @ 12 psi (0.08 Mpa)

Compressibility (ASTM F-36): 44%
Recovery (ASTM F36): 15%
Creep Relaxation (ASTM F-38): <5%
Sealability (ASTM F-37): 0.017 fluid ounce/hr (0.5ml/hr)

Standard Sizes
0.015” thick x 1/2” wide x 50’ long
0.015” thick x 3/4” wide x 50’ long
0.015” thick x 1” wide x 50’ long