

# 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/ft<sup>2</sup>.h.F (140 W/m.K)
  - Through Thickness: 36 BTU.in/ ft<sup>2</sup>.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) Less than 5%
- Sealability (ASTM F-37) 0.017 fluid ounce/hr (0.5ml/hr)



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## 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



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