



**CERAMATERIALS**



*"Your One Stop Shop for Thermal Processing"*

## 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): <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

