

# Specification Sheet

## Graphite Synthetic Sheet

(C, Thickness: 0.017mm)

Stock No: NS6130-10-1291, CAS: 7782-42-5

|                              |   |                                 |
|------------------------------|---|---------------------------------|
| <b>Product</b>               | : | <b>Graphite Synthetic Sheet</b> |
| Stock No                     | : | NS6130-10-1291                  |
| CAS No                       | : | 7782-42-5                       |
| Thickness                    | : | 0.017 mm                        |
| Color                        | : | Dark Grey                       |
| Thickness Tolerance          | : | ±0.005 mm                       |
| Density                      | : | 2.3 g/cm <sup>3</sup>           |
| Tensile Strength             | : | 39 mpa (X-Y Direction)          |
| Composition                  | : | Synthetic Graphite              |
| UL Flammability              | : | 94VO                            |
| Temperature Range            | : | -40°C to 400°C                  |
| Thermal Conductivity         | : | 1500 -1800 w/m.k (X-Y axis)     |
| Thermal Conductivity         | : | 15-20 w/m.k (Z Axis)            |
| Thermal Resistance           | : | 0.02 °C –in <sup>2</sup> /w     |
| Volume Resistivity           | : | 11×10 <sup>-4</sup> Ω-cm        |
| Conductivity                 | : | 2.0 x 10 <sup>(6)</sup> s/m     |
| Specific heat ratio (50°C)   | : | 0.85 (J/g.K)                    |
| Bending Test (Times)         | : | >10000 (R5/180 degree C)        |
| <b>Main Inspect Verifier</b> | : | <b>Manager QC</b>               |

**Note:** Product Specification are subject to amendment and may change over time

## Characterization of Graphite Synthetic Sheet



Graphite Synthetic Sheet

