

Specification Sheet

Graphite Synthetic Sheet

(C, Thickness: 0.017mm)

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

Product	:	Graphite Synthetic Sheet
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 ³
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 ² /w
Volume Resistivity	:	11×10 ⁻⁴ Ω-cm
Conductivity	:	2.0 x 10 (6) s/m
Specific heat ratio (50°C)	:	0.85 (J/g.K)
Bending Test (Times)	:	>10000 (R5/180 degree C)
Main Inspect Verifier	:	Manager QC

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

Characterization of Graphite Synthetic Sheet



Graphite Synthetic Sheet



NANOSHEL
Creating Miracles in Black