

Specification Sheet

Synthetic Graphite Sheet

(Double Side Adhesive Type)

Stock No: NS6130-10-1208A, CAS: 7782-42-5

Product	:	Synthetic Graphite Sheet
Stock No	:	NS6130-10-1208A
CAS No	:	7782-42-5
Thickness	:	12 μ m
Color	:	Dark Grey
Thickness (Adhesive + PET Liner)	:	5 (\pm 2) + 75 μ m
Thickness Tolerance	:	\pm 3 μ m
Density	:	2.05 g/cm ³
Thermal Conductivity	:	1500 – 1700 w/m.k (X-Y Ax)
Thermal Conductivity	:	15 – 18 w/m.k (Z Ax)
Tack Strength	:	\geq 6 (N/25mm)
Hold Strength	:	\leq 0.5mm
First Adhesive Strength	:	\leq 5 (NO/32)
Peel Adhesion	:	12 (g/50mm)
Heat Resistance Temperature	:	100 °C
Heat Capacity	:	0.870 \pm 0.01
Operation Temperature	:	-40 to 400 °C
Bending	:	20000 (angle 180°, R2)
In Plane Thermal Diffusivity	:	840 – 950 (J/g/K)
Storage Condition	:	5-30 °C
Main Inspect Verifier	:	Manager QC

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

Characterization of Synthetic Graphite Sheet



Synthetic Graphite Sheet



NANOSHEL
Creating Miracles in Black