

## Specification Sheet

Highly Ordered Pyrolytic Graphite Sheet  
(HOPG, Size : 10×10 mm, Thickness : 1 mm)  
Stock No: NS6130-10-1106, CAS: 7440-44-0

<b>Product</b>	:	<b>Highly Ordered Pyrolytic Graphite Sheet</b>
Stock No	:	NS6130-10-1106
CAS No	:	7782-42-5
Size	:	10mm x 10mm
Thickness	:	1mm
Density	:	~1700kg/m <sup>3</sup>
Temperature Range	:	-150 to +250°C
Thermal Conductivity	:	700w/m.k (X-Y axis)
Thermal Conductivity	:	10~15w/m.k (Z Axis)
Thermal Resistance	:	0.07 °C –in <sup>2</sup> /w
Volume Resistivity	:	11*10 <sup>-4</sup> Ω-cm
Specific Gravity	:	0.15 % TML
Specific Gravity	:	0.09 % CVCM
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

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

## Characterization of Highly Ordered Pyrolytic Graphite Sheet



Highly Ordered Pyrolytic Graphite Sheet



**NANOSHEL**  
Creating Miracles in Black