

## Specification Sheet

Grafoil Synthetic Thermal Graphite Film  
(HOPG, Thickness: 0.05mm, Purity: 99.9%)  
Stock No: NS6130-10-1107, CAS: 7782-42-5

<b>Product</b>	:	<b>Grafoil Synthetic Thermal Graphite Film</b>
Stock No	:	NS6130-10-1107
CAS No	:	7782-42-5
HS code	:	68151090
Thickness	:	0.05mm
Color	:	Dark Grey
Thickness Tolerance	:	±0.005mm
Density	:	1.5 g/cm <sup>3</sup>
Hardness	:	85 Shore A
Tensile Strength	:	650psi
Composition	:	Flexible Graphite
UL Flammability	:	94VO
Temperature Range	:	-40°C to 400°C
Thermal Conductivity	:	500w/m.k (X-Y axis)
Thermal Conductivity	:	10~15w/m.k (Z Axis)
Thermal Resistance	:	0.08 °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 Grafoil Synthetic Thermal Graphite Film



Grafoil Synthetic Thermal Graphite Film



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Creating Miracles in Black