

## Specification Sheet

### Graphite Rod

(C, 99.9%, Dia: 6mm, Length: 102mm)

Stock No: NS6130-10-1296, CAS: 7782-42-5

<b>Product</b>	:	<b>Graphite Rod</b>
Stock No	:	NS6130-10-1296
CAS No	:	7782-42-5
Purity	:	99.9%
Diameter	:	6mm
Length	:	102mm
Color	:	Black Solid
Molecular Weight	:	12.01g/mol
True Density	:	2.267 g/cm <sup>3</sup>
Melting Point	:	3652 – 3697 °C
Boiling Point	:	4200 °C
Thermal Conductivity	:	119-165 W/m/K
Electro Negativity	:	2.55 Pauling's
Heat of Vaporization	:	128 K-Cal/gm atom at 4612 °C
Apparent Density	:	1.72 (g/cc)
Flexural Strength	:	4,200 (psi)
Specific Resistance	:	00040
Grain Size	:	008 (inch)
Ash	:	1000 ppm
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

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

## Characterization of Graphite Rod



Graphite Rod



**NANOSHEL**  
Creating Miracles in Black