

Sr. #	DESCRIPTION	Quantity Req.
	<p><u>Specifications:</u></p> <p>Density=1.73-1.75g/cc</p> <p>Particle size (Max./Avg.)= 0.7/0.2 mm</p> <p>Helium Porosity = 15-18%</p> <p>Tensile strength (Long/Transverse) = 20/12 MPa</p> <p>Comprehensive strength= 41 MPa (Min.)</p> <p>Bending Strength = 25 MPa (Min.)</p> <p>Co-efficient of Thermal Expansion = $2.5 \times 10^{-5}/^{\circ}\text{C}$</p> <p>Thermal conductivity = 125-160 W/m^oK</p> <p>Iron Content = 100 ppm Max.</p> <p>Ash Content = 0.1% (Max.)</p> <p>Machinability : Good</p>	<p><i>Lengths</i></p>
	<u>GRAPHITE RODS:</u>	
i	Diameter = 40mm, Length = (1200-1500) mm	60
ii	Diameter = 50mm, Length = (1200-1500) mm	30
iii	Diameter = 400mm, Length = (1200-1500) mm	03
iv	Diameter = 450mm, Length = (1200-1500) mm	05
v	Diameter = 520mm, Length = (1200-1500) mm	02

Note:

- Inspection of graphite will be carried out at manufacturer's with Air ticket & boarding/ lodging on purchaser's account.