



Lanthanum Hexaboride Tube

As the professional manufacture, we would like to provide you Nextgen Lanthanum Hexaboride Tube. Lanthanum Boride, also called Lanthanum Hexaboride or LaB₆, is an inorganic chemical and refractory ceramic material. Nextgen Advanced Materials supplies lanthanum boride tubes with high quality and fast delivery, and customized products are available.

Product Description

You are welcomed to come to our factory to buy the latest selling, low price, and high-quality Nextgen Lanthanum Hexaboride Tube. We look forward to cooperating with you. Lanthanum Boride, also called Lanthanum Hexaboride or LaB₆, is an inorganic chemical, a boride of lanthanum, and a refractory ceramic material. It is stable in a vacuum; it has a high melting point of 2210 °C. It is insoluble in water and hydrochloric acid. Lanthanum Hexaboride (LaB₆) Tube can be used widely in various fields beaded on its properties. We provide LaB₆ Tube per drawing; dimensions will be relatively small compared to metal parts, and regular purity is 99.5%.



Lanthanum Hexaboride Material Specifications

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| Product | Lanthanum Hexaboride | Structure | Polycrystalline |
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| Symbol | LaB6 | Thermal Conductive | 47 W/mK (20°C) |
| Cas No. | 12008-21-8 | Thermal Expansion | 6.2 10-6K-1 (20-900°C) |
| Atomic Mass | 203.78 g/mol | Electrical Resistance | ca.15 $\mu\Omega$ cm (20°C) |
| Density | 4.72 g/cm ³ | Electrical Conductivity | 6.65×10 ⁴ S/cm (20°C) |
| Melting Point | 2528 K | Current Density | 150 A/cm ² (1950°C) |
| Hardness | 87.5 RA | Electron Emissivity | 2.6 eV |
| Flexure Strength (σ) | 200 Mpa | Fracture toughness (K _{ic}) | 3.0 MN/m ^{3/2} |