



Lanthanum Hexaboride Disc

Lanthanum Boride, also called Lanthanum Hexaboride or LaB₆, is an inorganic chemical. Nextgen Advanced Materials supplies Lanthanum Hexaboride Discs with high quality and fast delivery, and customized products are available.

Product Description

You can rest assured to buy Nextgen Lanthanum Hexaboride Disc from our factory and we will offer you the best after-sale service and timely delivery. 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 vacuum; it has a high melting point of 2210 °C. It is insoluble in water and hydrochloric acid. Lanthanum Hexaboride (LaB₆) Disc (Sputtering target) can be used widely in various fields beaded on its properties. We provide LaB₆ Disc and Sputtering Target with customized dimensions; regular purity is 99.5%.



Lanthanum Hexaboride Material Specifications

Product	Lanthanum Hexaboride	Structure	Polycrystalline
Symbol	LaB ₆	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 _{1c})	3.0 MN/m ^{3/2}