

LANTHANUM BORIDE POWDER

Stock No: NS6130-12-000791





Follow us







www.nanoshel.com I sales@nanoshel.com







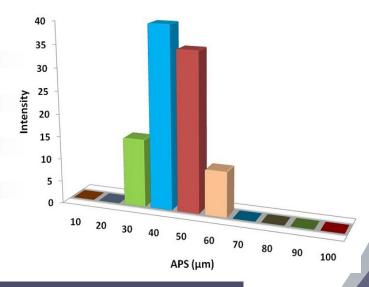


Lanthanum Boride Powder

Lanthanum Boride, also called Lanthanum Hexaboride or LaB6, is a inorganic chemical and refractory ceramic material. Lanthanum hexaboride (LaB6) is a member of the rare-earth metal hexaborides family. LaB6 is usually found in powder form and the appearance of LaB6 powder is a vibrant purple. Lanthanum Boride is known for its hardness, heat tolerance, low work function, and thermionic properties. The melting point of LaB6 nanoparticles is around 2210°C. LaB6 nanoparticles are traditionally used in hot cathodes, electron microscopy, free electron laser, and electron beam welding machine. LaB6 are considered to be useful in biomedical applications.

Quick Facts

Product	:	Lanthanum Boride Powder	
Color	•	Purple to violet Powder	
Stock No	:	NS6130-12-000791	
CAS	:	12008-21-8	
Purity	:	99.9%	
APS	:	40-60µm	
Other Metal	:	850ppm	



Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
LaB₅	203.77g/mol	2.61g/cm₃	2210°C

Applications

- Plasma source for plasma enhanced coating(PECVD)
- Electron beam surface reforming device
- Electron beam lithography device
- Transmission electron microscope
- Scanning electron microscope
- Surface analysis device
- Radio therapy devices.









INTELLIGENT MATERIALS PVT LTD Punjab (140507)

NANOSHEI LIK LIMITED Chapel House, Chapel St Cheshire, CW12 4AB United Kingdom

NANOSHELLIC 3422 Old Capitol Suit 1305 Wilmington DE - 19808

+1 646 470 4911

