

Europium

Oxide Powder



NS6130-12-000428

APS
40-50 μ m



Follow us:



| www.nanoshel.com | sales@nanoshel.com

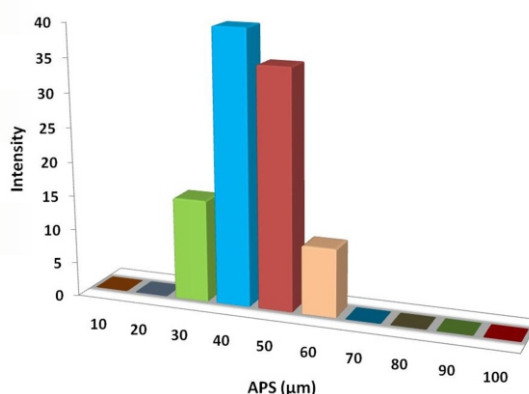
Europium Oxide Powder

Europium Oxide (Eu_2O_3) is a white powder that is highly insoluble in water and thermally stable. It is formed by igniting europium metal. Due to the nature of oxide compounds, Europium Oxide is not conductive to electricity. However, it is widely used for phosphor and fluorescent applications. Europium Oxide is hygroscopic, and has carbon dioxide and moisture absorbing qualities in the atmosphere.

Among the various rare earth elements, a considerable attention is devoted to Eu, it is stable in both divalent (Eu^{2+}) as well as trivalent (Eu^{3+}) oxidation states. Europium dioxide (EuO), has been employed extensively as a component phosphor in cathode-ray tube displays and as a phosphorescence agent in other light-emitting compounds.

Quick Facts

Product	:	Europium Oxide Powder
Stock No	:	NS6130-12-000428
CAS	:	1308-96-9
Purity	:	99%
Color	:	White/Pale Pink
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
Eu_2O_3	40-50 μm	351.92	2,350 °C

Chemical Composition

Product	Weight Percent (nominal)	
	Eu_2O_3	Other Metal
Europium Oxide Powder	99%	0.1%

Applications

- In phosphors for lamp
- In color TV, X-ray and other luminescent materials
- In glass and crystal
- As an activator for yttrium-based phosphors.
- Glass, optic, and ceramic applications.

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 1782 454 144, +44 74 105 48802

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



19ZAZGO1274G



20ZICE4588M