

Lanthanum Oxide

Lanthanum(III) oxide is La_2O_3 , also known as lanthana, It is an odorless, white solid substance, insoluble in water, but soluble in dilute acid. La_2O_3 is hygroscopic, under atmosphere, lanthanum oxide absorbs moisture over time and converts to lanthanum hydroxide.



Lanthanum Oxide

CAS No. 1312-81-8

Purity	99.99%, 99.995%, 99.999%, 99.9995%
Particle Size	Can be customized, nanoparticles also available

Formula	La_2O_3
CAS No.	1312-81-8
EC No.	215-200-5
Molecular Weight	325.84
Density	6.51 g/cm ³
Melting Point	4,199°F (2,315°C)
Boiling Point	7,590°F (4,200°C)
Appearance	White powder

Typical Application

- * Used to make optical glasses
- * Together with oxides of tungsten, tantalum, and thorium, La_2O_3 improves the resistance of the glass to attack by alkali.
- * An ingredient for the manufacture of piezoelectric and thermoelectric materials
- * Also used in X-ray imaging intensifying screens, phosphors as well as dielectric and conductive ceramics. Gives of bright glow.

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