

Catalog # 93-5708 Lanthanum(III) chloride, anhydrous (99.9%-La) (REO)



Thermal Behavior:

- Melting point 860°C
- Boiling point 1000°C

Technical Notes:

1. Used for lanthanum thin film deposition.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
LaB ₆	CVD	1150°C	AP	BCl ₃ , H ₂	1150°C	1
	CVD	700-850°C	100 mTorr	B ₁₀ H ₁₄ , Pd ^{Catal}	1000°C	2

References:

1. [J. Am. Chem. Soc. 2005, 127, 2862.](#)
2. [Chem. Mater. 2011, 23, 2606.](#)