

Catalog # 93-7025 Ytterbium(III) chloride, anhydrous (99.9%-Yb) (REO)



Thermal Behavior:

- Melting point 854°C

Technical Notes:

1. Used as a precursor and dopant in thin film deposition techniques

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
Yb:Al:SiO ₂	CVD	MeOH Solution	AP	SiCl ₄ , AlCl ₃ , H ₂ O	1550°C	1
Yb:Er:SiO ₂	CVD	-	<300 mTorr	ErCl ₃ , SiO ₂	1100°C	2

References:

1. [J. Non-Cryst. Solids 2010, 356, 848](#)
2. [Adv. Mater. 2017, 29, 1604431](#)