

Catalog # 93-3935 Yttrium(III) chloride, anhydrous (99.9%-Y) (REO)



Thermal Behavior:

- Melting point: 721°C
- Boiling point: 1,482 °C

Technical Notes:

1. CVD precursor and dopant for thin yttrium containing film deposition.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
ZrY _x O _y	CVD	780°C	4.5 Torr	ZrCl ₄ , NiO	1000°C	1
YB ₆	CVD	700-850°C	100 mTorr	B ₁₀ H ₁₄ , Pd ^{Catal}	1000°C	2
Y:MoS ₂	CVD	820°C	15 Torr	MoO ₃ , S	820°C	3

References:

1. [J. Power Sources, 2006, 162, 1060.](#)
2. [Chem. Mater. 2011, 23, 2606.](#)
3. [Sci. Adv. Mat. 2014, 6, 1.](#)