

Catalog # R105591 Rhenium(VII) oxide (99.99%-Re) PURATREM



Thermal Behavior:

- Melting point: 225 °C [2]
- TGA available in [2]

Technical Notes:

1. Volatile metal oxide precursor for the deposition of **rhenium containing** thin films by CVD and ALD with good volatility.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
ReO _x (x≤2)	PECVD	150 °C	0.2 Torr	H ₂ plasma	48-570 °C	[1]

References:

1. [J. Organomet. Chem., 1998, 553, 443.](#)
2. [J. Phys. Chem. C 2013, 117, 13763](#)