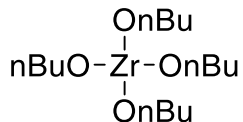


Catalog # 93-4003 Zirconium(IV) n-butoxide (76-80% in n-butanol)



Thermal Behavior:

- Boiling Point: 260 °C/0.1 Torr

Technical Notes:

1. CVD precursor for zirconia thin film deposition.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
ZrO ₂	ES-CVD	ⁿ BuOH Spray solution, 280°C	-	-	700-900°C	1
ZrO ₂ :SiO ₂	CVD	30°C, ⁿ BuOH solution	-	TEOS	600-700°C	2
ZrYO _x	CVD	ⁿ BuOH Spray solution	7.5 Torr	Y(O ⁿ Bu) ₃ , O ₂	800-1050°C	3

References:

1. [J. Aerosol Sci. 2003, 34, 869.](#)
2. [Chem. Eng. J. 2013, 232, 302.](#)
3. [Mater. Sci. Eng. A, 2011, 528, 978.](#)