

CeF3 99.5% 0.7-3.5mm 500g - 0481334

Specifications

Coating material	Cerium fluoride
Purity	99.5%
Form	Granulate
Dimensions	0.7 - 3.5 mm
Quantity	500 g
Theoretical density at 20°C in g/cm ³	6.2
Melting point in °C	1460

Temperature at vapor pressure

10 ⁻² mbar in °C	1183
10 ⁻¹ mbar in °C	1298
Boiling point in °C	2300

Type of evaporation

Sublimation	Good
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Evaporation source (typically)

E-gun

Liner material

Mo	Good
Ta	Good

Boat

Boat material

W	Good
Mo	Good
Ta	Good

Specific evaporation conditions

Low residual pressure	Good
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Substrate temperature range

100 - 200 °C	Good
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200 - 300 °C	Good
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Film transparency

Low	0.3
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High	13
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Film refractive index n / extinction coefficient k

at 550 nm: n	1.59-1.63
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at 10 µm: k	1.42-1.47
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