

YbF3 99.99% 3.0-12.0mm 500g - 0704458

Specifications

Coating material	Ytterbium fluoride
Purity	99.99%
Form	Granulate
Dimensions	3.0 - 12.0 mm
Quantity	500 g
HazardPictogram	GHS07
Statement	Warning
Theoretical density at 20°C in g/cm ³	8.2
Melting point in °C	1157

Temperature at vapor pressure

10 ⁻² mbar in °C	1205
10 ⁻¹ mbar in °C	1332
Boiling point in °C	2200-2300

Type of evaporation

Melting	Possible
Sublimation	Possible

Evaporation source (typically)

E-gun

Liner material

Mo	Good
BN	Possible

Boat

Boat material

Mo	Good
----	------

Ta	Good
----	------

Specific evaporation conditions

Preparation of base melt (premelt)	Possible
Low residual pressure	Good

Substrate temperature range

100 - 200 °C	Good
200 - 300 °C	Good

Ion or plasma assistance

possible	Possible
----------	----------

Film transparency

Low	0.2 2
High	12

Film refractive index n / extinction coefficient k

at 550 nm: n	1.51-1.55
at 10 µm: k	1.36-1.42