

YF3 99.99% 0.2-5.0mm 500g - 0481349

Specifications

Coating material	Yttrium fluoride
Purity	99.99%
Form	Granulate
Dimensions	0.2 - 5.0 mm
Quantity	500 g
HazardPictogram	GHS07
Statement	Warning
Theoretical density at 20°C in g/cm ³	4.8
Melting point in °C	1387

Temperature at vapor pressure

10 ⁻² mbar in °C	1231
10 ⁻¹ mbar in °C	1363

Type of evaporation

Melting	Good
---------	------

Evaporation source (typically)

E-gun

Liner material	
W	Good
Mo	Good
C	Possible
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

Film transparency

Low	0.19
High	12

Film refractive index n / extinction coefficient k

at 550 nm: n	1.48-1.52
at 10 µm: k	1.28-1.42