

BaF2 99.8% 0.7-3.5mm 500g (0481339)

Specifications

Coating material	Barium fluoride
Purity	99.8%
Form	Granulate
Dimensions	0.7 - 3.5 mm
Quantity	500 g
HazardPictogram	GHS07
Statement	Warning
Theoretical density at 20°C in g/cm ³	4.9
Melting point in °C	1355

Temperature at vapor pressure

10 ⁻² mbar in °C	1090
10 ⁻¹ mbar in °C	1210
Boiling point in °C	2137

Type of evaporation

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

Evaporation source (typically)

E-gun

Liner material

Mo	Good
Ta	Good

Boat

Boat material

W	Possible
Mo	Possible

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

Specific evaporation conditions

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

Substrate temperature range

100 - 200 °C	Good
200 - 300 °C	Good

Ion or plasma assistance

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

Film transparency

Low	~ 0.15
High	15

Film refractive index n / extinction coefficient k

at 550 nm: n	1.47-1.48
at 10 µm: k	1.33-1.42