

Ti2O3 99.9% 0.7-3.5mm 500g - 0489254

Specifications

Coating material	Titanium (III)-oxide
Purity	99.9%
Form	Granulate
Dimensions	0.7 - 3.5 mm
Quantity	500 g
Theoretical density at 20°C in g/cm ³	4.6
Melting point in °C	~ 2130

Temperature at vapor pressure

10 ⁻² mbar in °C	1900
10 ⁻¹ mbar in °C	2100

Type of evaporation

Melting	Good
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Evaporation source (typically)

E-gun

Boat

Boat material

W	Good
Mo	Good

Specific evaporation conditions

Preparation of base melt (premelt)	Possible
Reactive gas pressure	Good

Substrate temperature range

< 100 °C	Good
100 - 200 °C	Good
200 - 300 °C	Good

Ion or plasma assistance

possible	Good
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Film transparency

Low	0.4
High	> 8

Film refractive index n / extinction coefficient k

at 550 nm: n	2.07-2.50
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