

TiO₂ 99.9% 0.7-3.5mm 500g - 0489304

Specifications

Coating material	Titanium (IV)-oxide
Purity	99.9%
Form	Granulate
Dimensions	0.7 - 3.5 mm
Quantity	500 g
Theoretical density at 20°C in g/cm ³	4.3
Melting point in °C	1830-1885

Temperature at vapor pressure

10 ⁻² mbar in °C	1700
10 ⁻¹ mbar in °C	1840
Boiling point in °C	2500-3000

Type of evaporation

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

Evaporation source (typically)

E-gun

Boat

Boat material

W	Possible
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
----------	------

Film transparency

Low	0.4
High	> 8

Film refractive index n / extinction coefficient k

at 550 nm: n	2.07-2.50
--------------	-----------