

ITO 83/17 99.5% 1.0-3.0mm 500g - 0702967

Specifications

Coating material	ITO 83/17 %
Purity	99.5%
Form	Granulate
Dimensions	1.0 - 3.0 mm
Quantity	500 g
HazardPictogram	GHS08
Statement	Warning
Theoretical density at 20°C in g/cm ³	7.1 (In ₂ O ₃ :SnO ₂ ratio 90:10)
Melting point in °C	1730

Temperature at vapor pressure

10 ⁻² mbar in °C	~ 700
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Type of evaporation

Sublimation	Good
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Evaporation source (typically)

E-gun

Directly from Cu crucible	Good
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Liner material

Mo	Good
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Boat

Boat material

W	Possible
Mo	Good

Specific evaporation conditions

Low residual pressure	Good
Reactive gas pressure	Possible

Substrate temperature range

100 - 200 °C	Good
200 - 300 °C	Good

Ion or plasma assistance

possible	Possible
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Film transparency

Low	~ 0.4
High	~ 1.1

Film refractive index n / extinction coefficient k

at 550 nm: n	1.90-2.00
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Application	Transparent conductive film
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