

Reade Advanced Materials Indium-Tin Oxide (ITO) Powder (In₂O₃:SnO₂)

Category : Ceramic , Oxide

Material Notes:

Description: Indium oxide doped with tin oxide, ITO, is used to make transparent conductive coatings. Thin film layers can be deposited by electron-beam evaporation or sputtering. Roll or web coating on polymer substrates is done by magnetron or other techniques of sputtering. End uses of ITO are: Flat panel display applications; ITO glass manufacturing techniques; electroluminescent display applications; plasma display panel applications; electrochromic display applications; field emission display applications; new flat panel display technologies; and heat reflecting mirrors. Information provided by Reade Advanced Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reade-Advanced-Materials-Indium-Tin-Oxide-ITO-Powder-In2O3SnO2.php

Physical Properties	Metric	English	Comments
Density	0.500 - 1.20 g/cc	0.0181 - 0.0433 lb/in ³	
Molecular Weight	264.94 g/mol	264.94 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	1900 °C	3450 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Color	greenish yellow	

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