



Data Sheet
NYACOL® ITO-EG

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Colloidal Indium Tin Oxide

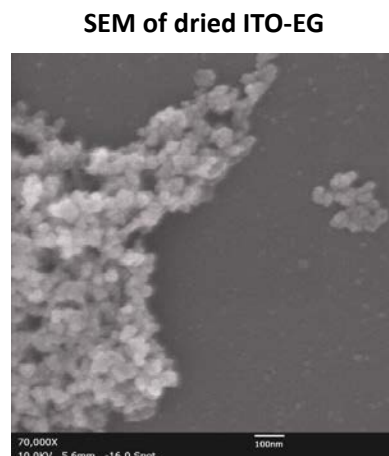
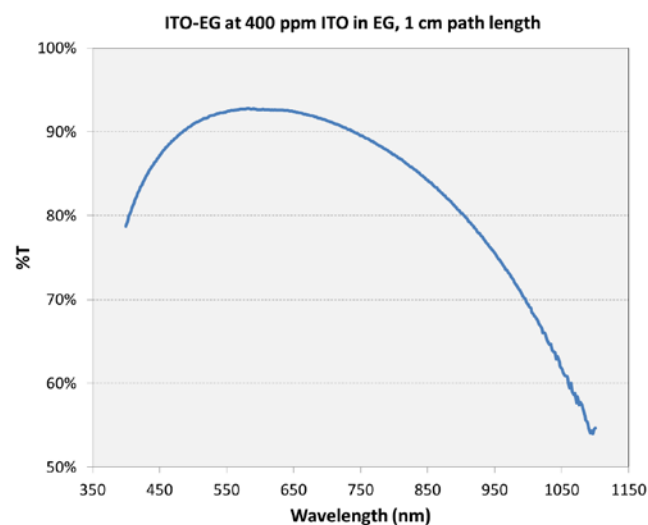
NYACOL ITO-EG is a colloidal dispersion of indium tin oxide (ITO) in ethylene glycol (EG). The stable colloidal dispersion enables a variety of low cost deposition techniques compared to traditional sputter deposition of ITO. The material's unique optical and electrical properties make it useful for applications including infrared reflective coatings (hot mirrors, low-e windows), transparent conductors, antistatic coatings, and solar cells.

TYPICAL PROPERTIES

	ITO-EG
Indium Tin Oxide (wt%)	20
Solution color	Blue
Particle Diameter ¹ (nm)	64
Viscosity (cP)	26
Extinction ratio ²	7.7

1 - Volume average by Photon Correlation Spectroscopy.

2 - Figure of Merit equal to the ratio of material absorbance at 1100 nm and 550 nm.



SAFETY

Ethylene glycol is harmful if swallowed. Users should observe precautions printed on the package label. A Safety Data Sheet for this product will be supplied on request.

FOR ADDITIONAL INFORMATION OR TO ORDER MATERIAL

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