



DATA SHEET
NYACOL® SN903SD

Colloidal Performance Materials

NYACOL® SN903SD

Antimony-doped Tin Oxide

NYACOL SN903SD is a spray-dried powder of antimony-doped tin oxide. This product is a blue-green, high-surface area agglomerate of 10 - 20nm primary particles.

NYACOL SN903SD can be used to formulate IR-absorbing/reflecting coatings and anti-static coatings. The coatings can be water based or solvent based and will produce high quality thin films with high transparency and low resistivity. Powder resistivity is 0.2 - 1.0 ohm.cm, and the films can have sheet resistivity of $10^3 - 10^5$ ohm/cm² depending on solids content and drying conditions. The coatings will have high visible transmission with IR absorption starting at about 900nm. The IR blocking performance will depend on film thickness and solids loading.

TYPICAL PROPERTIES

Antimony Tin Oxide, %:	99
Form:	Powder
Surface Area, m ² /g:	30 - 60
Particle Size, microns, D50:	2 - 6
Appearance:	Deep Blue-Green

TO ORDER MATERIAL OR FOR INFORMATION

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