Water Dispersion

SN-100D Spherical Conductive Material

FS-10D Acicular Conductive Material

This product is a water dispersion of antimony-doped tin oxide (ATO) designed to impart transparency and antistatic properties. Its near-infrared (NIR) shielding capability also makes it suitable for heat-shielding applications.

Basic Properties

	SN-100D	FS-10D
Composition	Sb dope SnO_2, Water	Sb dope SnO_2, Water
Solid Content（%）	30.0±0.5	20.0±0.5

Particle Size Distribution

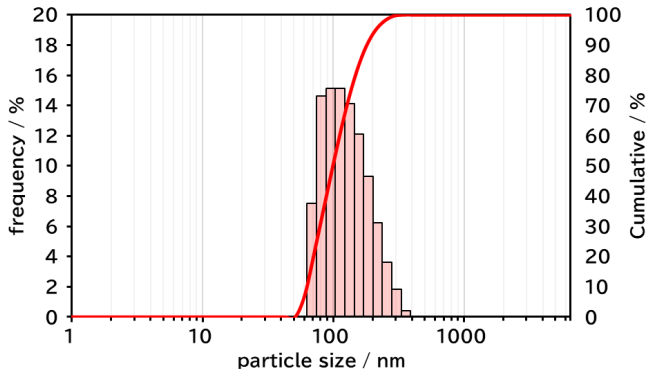


Fig1. Particle Size Distribution of SN-100D

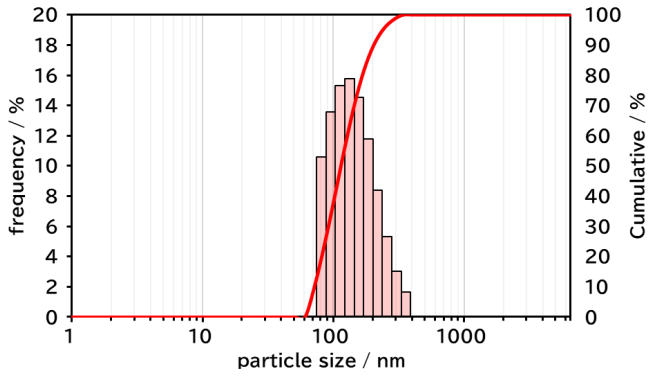


Fig2. Particle Size Distribution of FS-10D

Surface Resistance

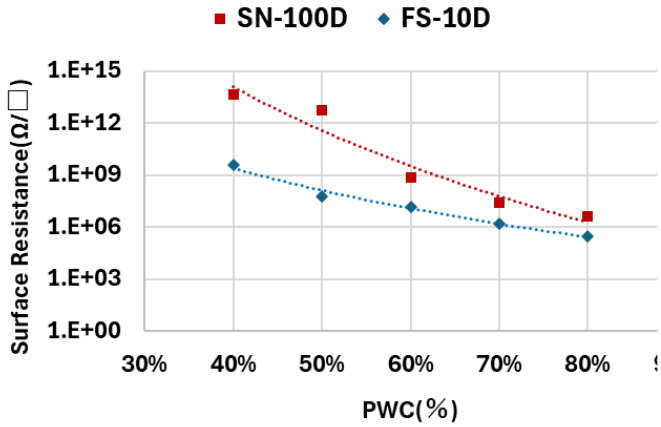


Fig3. PWC and Surface Resistance(Ω/□)

Haze

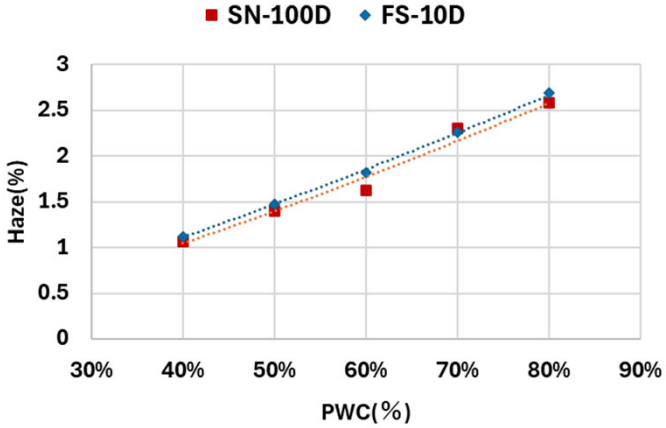


Fig4. PWC and Haze(%)

Conditions (Fig3, Fig4) : Paint film thickness = 0.3–0.7 μm

ISK Local Insight, Global Impact

ISHIHARA SANGYO KAISHA, LTD.

Iidabashi Grand Bloom., 10-2 Fujimi 2-chome,Chiyoda-ku,Tokyo 102-0071, Japan

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