

## Product Datasheet

### Avantama P-40

2.5wt% ATO (Antimony-doped tin oxide, 10at% Sb) in mixture of Butanols

Product n°: 10095

#### Data:

Property	Unit	Result
Appearance	-	dark blue
Solvent	-	mixture of butanols
Solid content	wt%	2.5
Solid composition	-	crystalline ATO (Sb-doped SnO <sub>2</sub> )
Antimony (Sb) content	at%	10
Mean primary particle size	nm	8
Mean hydrodynamic particle size	nm	19
Viscosity	cP	3.5
Application	-	spin-coating, doctor blading, slot-die

#### Handling instructions:

- Formulation contains Molecular sieves (pellets) to improve the ink stability. Filter with 0.2 µm or 0.45 µm PP filter before use.
- Prior application: Shake, take out needed amount and ultrasonicate with sonic horn (ca. 50W) for 60s/10mL.
- Store in dark at room temperature. Keep away from moisture.
- After opening: close lid well after use. Dispersion sensitive to humidity.
- Drying of deposited ATO films at 80°C - 120°C