

Product Datasheet

Avantama N-31

Ink for Charge Selective Layers in Printed Electronics

Product-No. 9076

Data:

Property	Unit	Result
Appearance	-	translucent, greyish-brown
Solvent	-	mixture of butanols
Solid content	wt%	2.5
Solid composition	-	crystalline SnO ₂
Mean primary particle size	nm	7
Mean hydrodynamic particle size	nm	20
Viscosity	cP	3.2
Application	-	spin-coating, doctor blading, slot-die, inkjet

Handling instructions:

- Store in dark at temperature of 4 - 23°C
- Shelf life: 6 months after purchase
- Dispersion sensitive to humidity. Close well after use.
- Prior to application: Shake, and filter through 0.2 or 0.45 µm PP filter.
Do NOT use PTFE filter.
- Ink can be diluted with butanol
- Thickness optimization may be necessary
- Drying of deposited SnO₂ films at 80°C - 120°C