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Product Datasheet

Avantama N-21X

Ink for Charge Selective Layers in Printed Electronics
Product-No. 8046

Data:

Property	Unit	Result
Appearance	-	translucent, greyish-brown
Solvent	-	mixture of alcohols
Solid content	wt%	2.5
Solid composition	-	crystalline Al:ZnO(3.15 mol% Al)
Mean primary particle size	nm	12
Mean hydrodynamic particle size	nm	18
Viscosity	cP	2.2
Work function	eV	-3.9
pH (acidity/basicity)	-	pH neutral
Application	-	spin-coating, doctor blading, slot-die

Handling instructions:

- Store in dark at room temperature
- Prior to application: Shake, and optionally filter through 0.2 um or 0.45 um PTFE or PP filter
- Drying of deposited ZnO films at 80°C - 120°C