

Avantama AG

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Product Datasheet

Avantama N-12

Ink for Charge Selective Layers in Printed Electronics
Product-No. 7022

Data:

Property	Unit	Result
Appearance	-	translucent, brownish
Solvent	-	ethanol
Solid content	wt%	5
Solid composition	-	crystalline ZnO
Mean primary particle size	nm	12
Mean hydrodynamic particle size	nm	12
Viscosity	cP	1.2
Work function	eV	-4.3
pH (acidity/basicity)	-	pH neutral
Application	-	spin-coating, doctor blading, slot-die

Handling instructions:

- Store in dark at room temperature
- Dilute to required concentration
- 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