

## Avantama AG

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# Product Datasheet

## Avantama P-21

Ink for Charge Selective Layers in Printed Electronics  
Product-No. 10128

### **Data:**

<b>Property</b>	<b>Unit</b>	<b>Result</b>
Appearance	-	black
Solvent	-	ethanol
Solid content	wt%	2.5
Solid composition	-	crystalline NiO
Mean primary particle size	nm	7
Mean hydrodynamic particle size	nm	10
Viscosity	cP	1.3
pH (acidity/basicity)	-	pH neutral
Application	-	spin-coating, doctor blading

### **Handling instructions:**

- Store in dark at room temperature
- Prior to application: Shake, ultrasonicate with sonic horn (50W, 1min/100ml) or bath (5min/100ml).
- Drying of deposited NiO films at 80°C - 120°C