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2666-56 Conductive Ink

Data Sheet

2666-56 Conductive Ink



2666-56 is a fast drying, silver filled ink, designed for producing electrically conductive traces on rigid and flexible circuit boards. This material provides excellent adhesion to aluminum, silicon, glass, Mylar, Kapton, and a variety of other substrates. This product also features a unique drying rate which allows for up to 20 minutes between dispenses without readjustment or cleaning being required.

Some additional applications for 2666-56 include emi/rfi shielding, polymer thick film circuitry, membrane switches and circuit repair.

2666-56 Features and Benefits

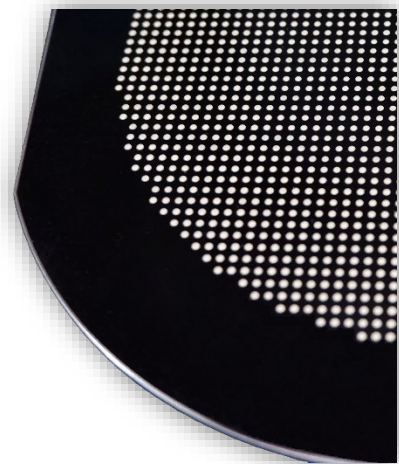
- Low Viscosity
- Available in DM-2 A8 cartridge only
- Dot size range 22- 34 Mil
- Good Crease Resistance
- Excellent adhesion
- Excellent Hydrolytic Stability

2666-56 General Information

The use of a vortex mixer to re-suspend the silver is required prior to use of the cartridge.

The unopened shelf life of the cartridge is 4 months. Once opened, the cartridge will flow for up to 3 days.

Useful temperature range (° C) -55 to +150.



2666-56 Curing

Volume Resistivity (Ω -cm)

Cured at 65°C- 0.00013

Cured at 150°C- 0.00005

Sheet Resistivity (Ω /sq/mil)

Cured at 65°C- 0.05

Cured at 150°C- 0.02

Cure Type	Temperature	Cure Time	Result
Soft Cure	Ambient, single wafer	30-60 minutes	Ink dots withstand sawing/scribing conditions with no cracking or loss of adhesion. Ink dots are easily removed with acetone.
Hard Cure	150° C	15-30 minutes	Ink dots withstand sawing/scribing conditions with no cracking or loss of adhesion. Ink dots are highly resistant to common solvents. Optimal conductivity.

2666-56 Removal

Soft Cure: Removable with acetone. Some solubility with isopropyl alcohol and Xandex DieMark Remover.

Hard Cure: Hard cured dots are highly resistant to isopropyl alcohol, acetone and Xandex DieMark Remover.

Order Information – Samples Now Available

The current sample offering is limited to DM-2 A8 cartridge size. Additional sizes may become available in the future depending on market demand.

Contact Xandex Customer Service to submit your request for samples.

Email: insidesales@xandex.com

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