

TERAOMIC-0170S1
Electrically Conductive Paste

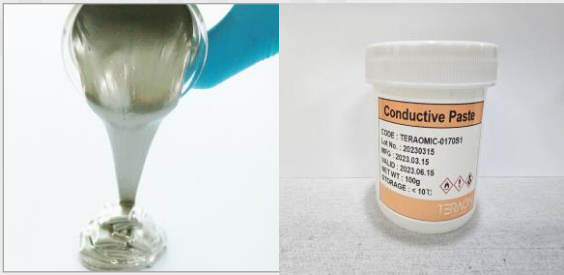
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- Teraomic-0170S1 is a electrically conductive Ag Paste that can be dried quickly at 150°C temperatures for various applications, available at 150~250 °C
- Teraomic-0170S1 has high adhesive strength after drying and has excellent performance in screen printing processes.
- These materials are resistant to temperature cycle & thermal shock that is suitable for requiring fast processing due to their high drying speed.
- This product has excellent reliability in various temperatures and humidity environments etc.

Product Properties

Physical Properties		TRAOMIC-0170S1
Chemical Type		Thermoplastic
Fillers		Gray Silver
Color		Light Gray
Material Properties		Spec
Process Temperature (°C)		150°C ~ 250°C
Drying Condition		0.5~1.0hr
Viscosity(cps)*		20,000~40,000
Thixotropic Index (5rpm/50rpm)		1.5~2.5
Volume Resistivity (Ω*cm) **		< 3.0 x 10 ⁻⁵
Adhesion (PI Film)		< 5B @ Cross cut test
Bending TEST (10R,50000 pass)		Less than 10% (Sheet resistance)

Application Process	
Screen Printing	Yes
Material Properties	
Pot Life (at 25°C)	> 24 hours
Shelf Life	6 Months
Storage Condition	Below 10°C



Characteristics

*TOKI SANYO TVE-35 S:R97 at 25°C
**60min @ 250°C

- After drying, Good flexible performance
- The lowest resistance among the Ag pastes
- Good Screen printing performance
- High adhesive strength (< 5B, Cross cut TEST 150~250°C)

Applications

- Heating system for vehicle
- Low resistance for screen printing process
- Good adhesion for PI, PCT Film
- Better flexible electrode for 3D forming
- High-Temperature Stability

Note

- Do not open the pot before reaches room temperature to prevent the moisture condensation
- Do not return the used product to the container. We cannot guarantee product property.
- This Paste are package in pot per customer specification.
- Clean up : Ag paste may be cleaned from surfaces with ETOH, acetone, MEK. Etc.
: Always wash and dry thoroughly prior to re-use of the PI ,PCT, PET Film.