

## TERAOMIC-0160SP (EX5)

Electrically Conductive Paste

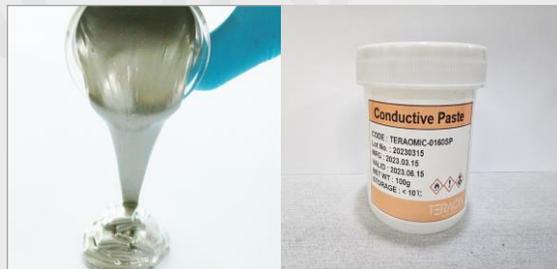
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- Teraomic-0160SP EX5 is a electrically conductive Ag Paste that can be dried quickly at 150°C temperatures for various applications, available at 150 ~ 300°C
- Teraomic-0160SP EX5 has high adhesive strength after drying and has excellent performance 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-0160SP (EX5)
Chemical Type	Thermoset
Fillers	Gray Silver
Color	Light Gray
Material Properties	Spec
Process Temperature (°C)	150°C ~ 300°C
Drying Condition	0.5~1.0hr
Viscosity(cps)*	25,000~40,000
Thixotropic Index (5rpm/50rpm)	2.0~3.0
Volume Resistivity ( $\Omega \cdot \text{cm}$ )**	$< 8.0 \times 10^{-5}$
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
- Good Screen printing performance
- Good adhesion in the dry temperature range of 150 to 300 degrees (< 5B, Cross cut TEST)

### Applications

- Heating system for vehicle
- Low resistance for screen printing process
- Good adhesion for PI, PCT Film
- Good 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.