

## TERAOMIC-0302R

Electrically Conductive Paste

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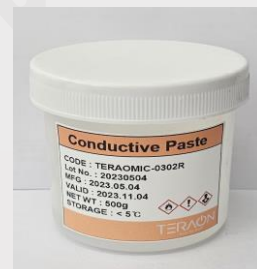
- Teraomic-0302R is a conductive heating ink with a suitable rheology for the slot die process.
- This product has excellent electrical conductivity under low-temperature drying conditions and can form a uniform coating film after slot die.
- These materials are resistant to temperature cycle & thermal 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.
- This product can be used not only in the slot die process but also in processes requiring low viscosity products.

### Product Properties

Physical Properties	TRAOMIC-0160SP
Chemical Type	Thermoplastic
Fillers	CNT, Graphene flakes
Color	Black
Material Properties	Spec
Process Temperature (°C)	100°C ~ 150°C
Drying Condition	0.5~1.0hr
Viscosity(cps)*	1,000
Thixotropic Index (5rpm/50rpm)	< 1.2
Volume Resistivity ( $\Omega \cdot \text{cm}$ ) **	< $8.0 \times 10^{-2}$
Adhesion (PI Film)	< 5B @ Cross cut test
Bending TEST (10R,50000 pass)	Less than 10% (Sheet resistance)

### Application Process

Slot Die	Yes
Material Properties	
Pot Life (at 25°C)	12 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
- Low resistance system
- Good Slot die performance
- Good safety
- High adhesive strength  
(< 5B, Cross cut TEST , 100~150°C)

### Applications

- Heating system for vehicle
- For Slot-Die process
- Good adhesion for PI, PCT, PET Film
- Uniform print thickness

### 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 Film.