

高纯银
电阻低
快干型

Xe re dEx

Consumable

energy

Conductive plasma data of thin film circuit
(× D Series)

× RD · × D series conductive silver paste is a high-tech nano material product produced and developed by Xinrun Darong with the world's most advanced nano technology and imported high-quality raw materials. The product has strong printing adaptability, stable conductivity, single component, rapid curing at low temperature, excellent adhesion, oxidation resistance and very low square resistance. In terms of low-temperature drying, adhesion and conductivity, it is in a leading position in China.

Scope of application:

It is mainly used for plasma TV EMI filter glass plate, EMI film, led, RFID antenna, general film switch, soft circuit, mobile phone keyboard, computer keyboard circuit, shielding circuit, heating circuit, circuit repair and electronic circuit requiring low-temperature curing.

Product characteristics:

1. it has controllable conductivity.
2. low temperature curing.

3 It has excellent adhesion and covering power to PC, PET, PVC, PU and other films, resin plate, coated paper, glass, copper sheet, aluminum plate and other materials.

4. square resistance: $< 0.10 \text{ nms/sq@Imil}$

Use steps:

1. Clean the repaired parts. 2. Scrape out new wires on the surfaces of both ends of the copper foil line. 3. Apply conductive paste

4. heat curing

matters needing attention:

1 The conductive silver paste used up in the bed shall be tightly covered and stored in a cool indoor place $< 23 \text{ }^\circ\text{C}$. When it is stored in the refrigerator, it must be taken out in advance before use and restored to room temperature before reuse.

2. avoid contact with the skin and eyes of the breach. Once in contact, wash immediately with soap and warm water.

3, the conductive silver paste has been prepared to a suitable concentration, and there is no need to add diluent. If necessary, it is recommended to use the company's special diluent. Poor conductivity or adhesion after baking, it is likely that the drying temperature and drying time are not enough, and incomplete drying of silver slurry will affect the square resistance and other conductivity. It must be adjusted according to the requirements of "technical indicators".

Technical indicators

× D series	project	performance parameter
		model
yield Lou Xuan	appearance	silver gray
	viscosity	About 20000mpa (can be adjusted according to customer requirements)
	Solid content	65%
	Curing process	IR145 ± 5°C × 5min
		Or blast oven: 150 °C× 5min
	Square resistance	< 13m0 / O / 25. 4pm
	Specific resistance	< 3 × 10 · 5 0 · cm
	hardness	∫ 2 h
	Adhesion (3m600 tape)	No shedding

	Bending	8second
Construction worker B	Wire mesh type	Polyester wire mesh or stainless steel wire mesh
	Mesh	150order
	Wire diameter	28I. 34 thick M
	Latex thickness	6pm
	Mesh tension	20、 28 N
	Scraping hardness	75- 85 (Shore hardness)
	Printing hardness	4.6 thick M
	Cleaning agent	Acetone, butyl acetate

Test data sheet: (in)× D · 120 as an example)

Test items	Test methods and standards	result
Apparent dry resistance	13 50C/ 1 m i n	270
Dry resistance	13 5 °C/ 3 0 m i n	170
Resistance change rate	Change value of resistance before and after testing adhesion	
viscosity	Viscometer, 25 °C, 20rpm, 6 # rotors	26K
hardness	Chinese pencil	4H

Bending rate	2kg weight, positive and negative 180 °C fold in half	4second
adhesion	3m600 # tape	normal
Result judgment	qualified	