
UV89 Coating Glue Product Specification (TDS)

1.Product Features

1.Ultraviolet curing glue UV89 is a single-component ultraviolet curing coating adhesive (electronic protection adhesive). This product is a double-layer curing system of UV light and moisture, which can be cured by moisture where UV light is not available. It has the advantages of low viscosity, easy spraying, fast curing speed, good surface drying, low odor, moisture resistance, salt spray resistance, dust resistance, easy use, and safe operation, etc.After the product is cured, a transparent protective film is formed, which has good high and low temperature resistance, superior insulation, moisture resistance, leakage resistance, shock resistance, dust resistance, corrosion resistance, salt spray resistance, mildew resistance, aging resistance, acid and alkali resistance, corona resistance and other properties.

2.The product complies with the relevant requirements of the EU RoHS directive and REACH regulations.

2.Product Performance

Main parameters	Performance numbers	Range	Criterion
Appearance	Transparency liquid		
Base chemical composition	Polyurethane resin		
Viscosity (mPa.s 25°C) 30RPM	88	75-100	GB/T2794-2013
Density (g/ml ³)	1.042	1.0 -1.1	
Surface viscous dissipation time cost	45(S)		
Full Cure (mJ/ cm ²)	2400	2400-3000	
Moisture curing time	25°C 55%RH	72(H)	
	25°C 75%RH	48(H)	

Post-curing characteristic

Hardness(shore)	75	70-80	GB/T2411-1980
Tensile strength(N/mm ²)	30		
Permittivity and loss	constant	loss	GBT1693-2007
	10 kHz	3.6	0.01

1 MHz	3.4	0.012	
10 MHz	3.3	0.013	
Volume resistivity ($\Omega \cdot \text{cm}^3$)	4.5×10^{15}		GB1410-1989
Dielectric strength (KV/mm)	50		
Operating temperature($^{\circ}\text{C}$)		-50~150	

3. Instructions for use

The gluing parts must remove the grease and be cleaned, and the gluing can only be applied after the surface is fully dry. This product can be painted or sprayed. It is recommended for sizing by spraying. After glue coating, UV lamp of mercury lamp or a cold light source at 365nm must be used for curing.

The curing speed depends on the intensity of ultraviolet rays, the distance between the light source and the adhesive layer, and so on.

Moisture can be cured in places not exposed to ultraviolet rays. Moisture is great for product curing.

After use, close the lid immediately. It can be filled with nitrogen for protection if necessary. It must be filled with black rubber tube for sizing.

4. Cautions

Do not rewind the removed glue back to the original packaging, to prevent contamination of the original solution. The workplace should be well ventilated or forced ventilated.

Keep away from children.

In case of contact with skin, wash immediately with soapy water.

In case of contact with eyes, rinse with plenty of water and seek medical advice.

For details, please refer to the MSDS of this product.

5. Packaging

Packing specification: 1 kg / barrel, 2 kg / barrel, 5 kg / barrel

6. Storage

Store in a dry and dark place at 5 ~ 25 $^{\circ}\text{C}$. Shelf life is 3 months.