

UV curing type insulation paste

UVF-70T

This product is an UV curing type insulation paste used specially modified acrylate resin as a binder.

Excellent adhesion, surface hardness, and transparency make it most suitable as an insulation coating film for the touch panel application etc.

□ Main features

1. It has excellent transparency and smoothness.
2. It has excellent adhesion to various substrates such as PET film.

□ Main characteristics

Characteristic item	Representative value	Remarks
Color	Slightly turbid and transparent	Visual (Paste color)
Viscosity (25°C)	500~2500mPa·s	TVB-10 type viscometer
Exposure conditions	1000mJ/cm ²	High pressure mercury lamp
Surface hardness of coating film	H ≤ (Torn)	Pencil hardness (JIS K 5600)
Adhesion	100/100 (on PET film)	Cross-cut·tape peel
	100/100 (on ITO film)	
	100/100 (on Glass)	
	100/100 (on Copper foil)	
Flexibility	No peeling	180° bending 3 times
Electrical insulation	1E +11Ω	Comb electrode (JIS 2 type)
Total light transmittance	99.0% ≤	Blank: Glass plate ·Total light transmittance : 91.27% ·Haze : 0.35%
Haze	2.0% ≥	When coating film thickness is 15μm. JIS K 7361-1, JIS K 7136

[Note] The resist characteristic values described above are the results of our in-house evaluation and are not guaranteed values.

As for the working conditions, it is the condition when using the equipment owned by our company, so please check the working process with the equipment owned by your company before using.

<Shelf life> 6 months (provisional) --- Stored in 25 deg.C or below (cool and dark place).

