1808AB

characteristics

Polyurethane 1808AB synthesis, the products produced have high quality flexibility and low temperature resistance, cured products are crystal clear, highly transparent, suitable for room temperature or heating curing.

Areas of application

Polyurethane 1808AB can be widely used for the encapsulation of soft tape LEDs and electronic circuit boards.

Technical Parameters

	A glue 1808A	Curing agent 1808B
COLOR	Colorless to light yellow liquid	Colorless to light yellow liquid
Density(g/m^3)	1.02±0.05	1.04±0.05
Viscosity(mPa·s)	1200cps	2200maxcps
Brookfield DV2TRV test method	25℃	
Mixing ratio (by weight)	100 : 100	
(by volume)	1 : 1	

post-blending

	Main agent + curing agent
Status	fluids

The above performance data are typical data measured in a laboratory environment with a temperature of 25℃ and a humidity of 70%, and are for customers' reference only.

Viscosity	**2000±50mPa.S**
Brookfield DV2TRV test method	**25℃**
Operating time(100g，25℃)	**20±3 min**
Brookfield DV2TRV test method, Highest viscosity 800mPa·s	
utilization rate	**280-350 g/m^2(depending on the substrate)**

Curing time

Initial curing	**About 8~12 hours at room temperature**
Final curing	**8~12 days at room temperature**
Temperature range	**10℃-70℃**

Usage

working environment

Please keep the glue container clean, and mix the A and B components strictly according to the weight ratio, weigh accurately, and stir well clockwise along the inner wall of the container, and then leave it to stand for 3-5 minutes before use.

caveat

According to the operating time and the amount of glue mixing to avoid waste. When the temperature is lower than 15 ℃, please preheat the A glue to 30 ℃ before glue mixing, easy to operate (low temperature A glue will thicken); after use must be sealed barrel lid, to avoid moisture absorption caused by the product scrap. When the relative humidity is greater than 85%, the surface of the cured material is easy to absorb the moisture in the

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air, forming a layer of white mist, so when the relative humidity is greater than 85%, it is not suitable for ambient curing, and it is recommended to use heating curing.

Test results

Durometer	shoreD	65
Bending strength	Kg/mm^2	55
Heat distortion temperature	℃	80
Water absorption	%	<0.15
Compressive strength	Kg/mm^2	8.4

Save

Whether the product is afraid of cold	Yes	
moisture sensitivity	organosilicon	curing agent
	NO	sensitivities
Recommended Storage Temperature	15℃-25℃(not lower than 10°C and not higher than 50°C)	
validity period	2 months in original packaging	
wrap	A glue	curing agent
	5kg/pot	5kg/pot

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