SDF181A/B-S Epoxy Adhesive
Technical datasheet

Description & Application

SDF181A/BS is a solvent-free environmentally friendly resin adhesive used for room temperature curing. After curing, the layer is of medium hardness, so it can withstand strong impact and vibration. The layer has good mechanical properties and corrosion resistance and can withstand temperature changes. It is widely used in the bonding and pouring of food contact products, electronic components and metals, ceramics, rubber, glass, fiber products, etc., and has excellent adhesion.

Product data

	SDF181A-S	SDF181B-S	Mixed Adhesive
Appearance	*Transparent, milk, gray, black*	*Transparent, white, yellow, light brown*	
Specific gravity	*1.05*	*0.98*	
Viscosity at 25°C (Pa.s)	*8000-15.000*	*10.000-12.000*	
Mixing Ratio (weight)	*100*	*100*	
Pot life at 25°C (100gr)			*10-15min*
Flash point	*210°C*	*>240°C*	
Curing Conditions			*6h at 25°C* *2-3h at 60°C*

Processing

Working environment: Please keep the plastic container clean. A, B components are strictly according to the weight ratio, accurately weighed, and stir it evenly along the inner wall of the container clockwise until it is used for 3-5 minutes.
According to the operating time and amount of glue deployment, to avoid waste. When the temperature is lower than 15 °C, please pre-heat the A glue to 30 °C and then adjust the rubber, easy to operate (low temperature, A glue will thicken); After use must seal the lid, to avoid the product due to moisture absorption scrapped.
When the relative humidity is more than 85%, the surface of the cured product can easily absorb the moisture in the air to form a white mist. Therefore, when the relative humidity is more than 85%, it is not suitable for room temperature curing. It is recommended to use the heating and curing.
The lid must be sealed after use to avoid the product being scrapped due to moisture absorption.

Typical cured properties

Hardness	*Shore D*	*80-82*
Withstand voltage	*KV/mm*	*20～22*
Tensile strength	*Kg/mm2*	*22*
Volume resistance	*Ohm3*	1x10*15
Surface resistance	*Ohmm2*	1.2x10*15
Heat-resistant temperature	*℃*	*105*
Water absorption rate	*%(24h at 25℃)*	<0.03
Shrinkage	*%*	<0.35
Compressive strength	*Kg/mm2*	20 - 25