

Insulation Adhesive Technical Data

EP-13-FL63

Low Temperature Curing Adhesive

Description:

EP-13-FL63 is a single component, non-conductive insulative adhesive, designed for low temperature curing, and applied to many materials, curing in a fairly short time, and has excellent adhesion. It is particularly developed for the application of VCM&wire packaging barrier water vapor.

Product Characters:

- 1. Excellent dispensing performance: minimal tailings and pulling phenomenon.
- 2. Low-temperature curing
- 3. Low chlorine content (chlorine content < 900 ppm)

UNCURED PROPERTIES		TEST DESCRIPTION	TEST METHOD
Density	0.95 ± 0.05 g/cc	Pycnometer	FT-P001
Appearance	Semi-transparent pale liquid	Visual Examination	
Fineness	< 5 um	Hegman Grindometer	FT-P026
Viscosity @ 25°C	$1,000 \pm 200 \text{ cps}$	Brookfield DV-Ⅲ/CP-51 @ 5rpm	FT-P006
Thixotropic Index	2.0±0.5	Brookfield DV-Ⅲ/CP-51	FT-P008
@ 25°C		Visc. @ 0.5rpm/Visc @ 5rpm	
Work Life @ 25°C	48 hours	25% increase in visc. @ 5rpm	FT-P024
Shelf Life@ -20°C	6 month		FT-P018
CURE	CONDITION	TEST DESCRIPTION	TEST METHOD
Standard Cure Condition		30 minutes @70°C, in oven	
Cure application :		30 minutes @70°C, in oven	FT-P028
Weight loss on our $< 0.70.94$			ET D010
			F1-P010
MECHANICAL PROPERTIES- POST CURE		TEST DESCRIPTION	TEST METHOD
Hardness (Shore D)	60±5	Shore D	FT-P037



PHYSIOCHEMICAL PROPERTIES		TEST DESCRIPTION	TEST METHOD
Glass Transition Temperature (Tg) $45\pm5^{\circ}$ C		DSC	FT-M027
Linear Shrinkage	< 2 %		FT-P036

Notes:

- ⇒ This form only provides general test data, if you need detailed product specifications, please contact us.
- \Rightarrow The performance of the DMA, TMA can refer to the EP-13-FL63B&FL63W TDS.

Applying Guidelines

Transport

The transport process is stored at low temperatures such as dry ice or cryogenic ice packs and placed with temperature indicators to ensure product quality. When you receive the goods and find that there is no dry ice residue (or the temperature indicator is liquid), do not use, immediately take a photo certificate and immediately

Defrosting treatment

Thawing, please unfreeze the syringe (bottle, can) upright until full yin can be used (return time 30 to 90 hours, suitable for capacity size and order), please dry the thawing of the water condensed outside the packaging; Stop use immediately.

Storage Conditions

When you receive the goods, store them immediately at low temperatures (-20 degrees C), as preservation at different temperatures will affect the shelf life of the product.