Technical Data Sheet
FeedBond® EP-28-UHS-095-B
UV and Thermal Dual-Curable Adhesive

Description:

FeedBond®EP-28-UHS-095-B is a one-component, UV and thermal dual-curable adhesive. It has excellent adhesion to Cu, Ni, Zn and LCP.

Uncured Properties	Value	Test Description	Method
Appearance	Light blue transparent	Visual	-
Specific Gravity	1.10	Pycnometer	FT-P001
Viscosity @25℃ (cps)	9,000~10,500	Brookfield DV-III/CP-51 @ 5rpm	FT-P006
Thixotropic Index @25℃	>5	0.5rpm/5rpm	FT-P008

Recommend Curing Schedule
Recommend cure condition is 2,000 ~ 3,000 mJ/cm^2 (UV LED) + heat-cured at 100℃ for 1hr (oven) Notice: The curing time and energy may vary depending on the light source, substrate, thickness of the adhesive layer, etc. It should be test before use.

Cured Properties	Value	Test Description	Method
Hardness Shore D	50	ASTM D-2240, shore D	FT-P037
Water absorption	0.22%	ASTM D-570	FT-P032
Curing Shrinkage	5.18%	Pycnometer	FT-P056
Shear Strength (LCP+Cu)	20.0Kg	Dage4000 (0.5x1cm)	FT-M012
Shear Strength (LCP+Ni)	20.0Kg	Dage4000 (0.5x1cm)	FT-M012
Shear Strength (LCP+Zn)	27.0Kg	Dage4000 (0.5x1cm)	FT-M012

※ Remarks: This technical data contained herein are intended herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

Precautions

1. This product is not suitable for use in pure oxygen and oxygen-rich environments, and cannot be packaged and stored in chlorine gas or other strong oxidizing substances.
2. This product is sensitive to UV and visible light. When storage and handling, keep away from sunlight,

Technical Data Sheet
FeedBond® EP-28-UHS-095-B
UV and Thermal Dual-Curable Adhesive

UV light and artificial lighting as much as possible. The adhered surface should be kept clean, dry, and oil-free.

3. After opening and using, the lid should be tightly closed to avoid moisture, impurities and light etc. affecting the quality. Do not return product into the original container, so as to avoid contamination of unused adhesives.
4. The work life should be evaluated according to the usage conditions. If adhesive has been used for more than 24 hours, it cannot be recyclable, so as not to affect the performance of the adhesive.

Storage

The optimal storage conditions is -20℃ sealed and keep away from any light. The shelf life is 6 months.

Note