Technical Data Sheet
FeedBond® EP-13-EPS-103
Thermal-Curable Adhesive

Description:

FeedBond®EP-13-EPS-103 is a one-component heat-curing epoxy resin adhesive. It has excellent adhesion to LCP, PCB, Chips and metal. No bleeding and excellent fixing after curing.

Product Features:

Uncured Properties	**Value**	**Test Description**	**Method**
Appearance	Red	Visual	-
Viscosity @25℃ (cps)	45,000~50,000	Brookfield DV-III/CP-51 @ 5rpm	FT-P006
Thixotropic Index @25℃	3.0~3.5	0.5rpm/5rpm	FT-P008
Work life	48hrs	Viscosity increases 25% @ 5rpm	FT-P024
Shelf life	6 months	@ -40℃	FT-P018
Curing schedule	**Condition**	**Test Description**	
Standard Cuing Condition	60min @85℃	Thermal cure	
Mechanical Properties	**Value**	**Test Description**	**Method**
LCP, PCB @25℃	>20kg/die	Universal testing machine	
LCP, Chip	>5kg/die	Universal testing machine	
LCP, Cu	>30kg/die	Universal testing machine	
Physiochemical Properties	**Value**	**Test Description**	**Method**
Tg	72℃	DMA	FT-M014
Coefficient of Thermal Expansion <Tg >Tg	 62ppm/℃ 183ppm/℃	TMA	FT-M016

※ 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.

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Instruction

Transport
It is stored in a low-temperature ice bag during transportation to ensure product quality. When you receive the product and find that the ice pack has been completely thawed, please take a photo for storage and do not use it and notify our sales staff immediately.

Thawing
Place the container to stand vertically for 60min. **DO NOT** open the container before adhesive reaches ambient temperature to prevent the moisture condensation. Any moisture that collects on the thawed container should be removed prior to use. Adhesives that appear to have separated should not be used.

Storage
When receiving the product, please store it at low temperature (-40°C) immediately. Since storage at different temperatures will affect the life of the product (storage temperature is proportional to the life of the product).

Note
This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct and to determine the suitability of our products by yourself for your particular purposes. This information may be subject to revision as new knowledge and experience become available. Since we cannot anticipate all variations in actual end-use conditions, Feedpool makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.