

Technical Data Sheet

FeedBond® EP-2015W

Non-Conductive Adhesive

Introduction:

EP-2015W is an epoxy type adhesive designed for die-attach applications, it can be applied for BAG and lead frame package. It can be fast cured, minimum bleeding, and shows good flexibility and adhesion on different substrates.

Characteristics:

- Excellent dispensability with minimal tailing and stringing
- Minimal bleeding and minimal volatiles

UNCURED PROPERTIES		TEST DESCRIPTION	TEST METHOD
Appearance	white		
Viscosity @ 25	11000 - 13000cps	Brookfield DV- /CP-51 @ 5rpm	FT-P006
Thixotropic Index @ 25	3.17	Brookfield DV- /CP-51 Visc. @ 0.5rpm/Visc @ 5rpm	FT-P008
Density	1.22	Pycnometer	FT-P001
Grind	< 25µm	Grind meter	FT-P026
Water Content	< 0.5%	Moisture Titrator	FT-P002
Work Life @ 25	72 hours	25% increase in visc. @ 5rpm	FT-P024
Shelf Life@ -40	12 month		FT-P018
CURE CONDITION		TEST DESCRIPTION	TEST METHOD
Standard Cure Condition		60 minutes @ 150	

The tables shown above are typical values only. If you need to write a specification , please request our current Standard Release Specification.

FeedBond[®] EP-2015W

Non-Conductive Die Attach Adhesive

PHYSIOCHEMICAL PROPERTIES- POST CURE	TEST DESCRIPTION	TEST METHOD
Glass Transition Temperature 127	DMA 3 Point Bending Mode	FT-M014
Coefficient of Thermal Expansion Below Tg 49 ppm/ Above Tg 182 ppm/	TMA Expansion Mode	FT-M016
Dynamic Tensile Modulus @ -60 3613MPa @25 2971 MPa @150 44MPa @250 34 MPa	Dynamic Mechanical Thermal Analysis using <1.6 mm thick specimen	FT-M019
MECHANICAL PROPERTIES- POST CURE	TEST DESCRIPTION	TEST METHOD
Die Shear Strength @ 25 >10kg/die	2mm×2mm Si die on Ag/Cu LF (80mil×80 mil)	FT-M012

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Instruction

Thawing

Place the container to stand vertically for 30min ~90min.**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

Adhesive should be stored @ -40 . The shelf life of the material is only valid when the material has been stored at the correct storage condition.

Availability

FeedBond adhesives are packaged in syringes or pots per customer specification. For the details, please contact our Customer Service or sales department.