

Technical Data Sheet

FeedBond® EP-19-UVP-122

UV-Curable Adhesive

Description:

FeedBond®EP-19-UVP-122 is a one-component, UV curable adhesive. It has excellent adhesion to PI PET substrates.

Uncured Properties	Value	Test Description	Method
Appearance	Yellowish transparent	Visual	-
Specific Gravity	1.06	Pycnometer	FT-P001
Viscosity @25°C (cps)	<600	Brookfield DV-III/CP-51 5rpm	@ FT-P006
Thixotropic Index @25°C	2-3	0.5rpm/5rpm	FT-P008
Shelf life @10~35°C	6 months	In the unopened contained in a dry location	FT-P018

Recommend Curing Schedule

Recommend cure condition is 2,000~3,000 mJ/cm² (UV mercury lamp)

Notice: The curing time and energy may vary depending on the light source, substrate, thickness of the adhesive layer, etc. Please test before use.

Cured Properties	Value	Test Description	Method
Water Absorption	<3%	ASTM D-570, in boiling water for 2 hours	
Curing Depth	>600um	Thickness gauge	
Tensile Strength	>150N/mm ²	Universal testing machine	
Elongation	>250%	Universal testing machine	
Adhesion to PI (Peeling)	>10N/cm	Universal testing machine	
surface dryness	Dry	Finger touch	
Glass transition Temp. (Tg)	18°C	DMA 3 Point Bending Mode	FT-M014
WVTR	<8g-mil/100in-2day		

※ 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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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, 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 8 hours, it cannot be recyclable, so as not to affect the performance of the adhesive.

Storage

The optimal storage conditions is 10~35°C dry and cool place in the original packaging , keep away from any light. The shelf life is 6 months.

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.