Product Information Sheet

EPO-TEK® B9021

Date:	September 2017
Rev:	III
No. of Components:	Single
Mix Ratio by Weight:	N/A
Specific Gravity:	1.35
Pot Life:	28 Days (closed container)
Shelf Life- Bulk:	One year refrigerated

Recommended Cure: B-stage: 75°C/30 Minutes
Cure: 150°C/1 Hour

NOTES:

- Container(s) should be kept closed when not in use.
- Filled systems should be stirred thoroughly before mixing and prior to use.
- Performance properties (rheology, conductivity, others) of the product may vary from those stated on the data sheet when bi-pak/syringe packaging or post-processing of any kind is performed. Epoxy's warranties shall not apply to any products that have been reprocessed or repackaged from Epoxy's delivered status/container into any other containers of any kind, including but not limited to syringes, bi-paks, cartridges, pouches, tubes, capsules, films or other packages.

Product Description: A single component, B-stageable epoxy paste for semiconductor, microelectronics, and optical assemblies. It can be used in hybrid assemblies for lid-sealing and substrate attach. It can be used as the main gasket seal of glass plates in LCDs or sealing filter windows onto opto-sensors.

Typical Properties: Cure condition: B-stage: 75°C/30 Minutes - Cure: 150°C/1 Hour Data below is not guaranteed. To be used as a guide only, not as a specification. Different batches, conditions & applications yield differing results.
* denotes test on lot acceptance basis

PHYSICAL PROPERTIES:			
* Color (before cure):	White		
* Consistency:	Smooth paste		
* Viscosity (23°C) @ 50 rpm:	4,000 - 8,000	cPs	
Thixotropic Index:	3.9		
Glass Transition Temp:	≥ 60	°C	
Coefficient of Thermal Expansion (CTE):			
Below Tg:	36	x 10^{-6} in/in°C	
Above Tg:	57	x 10^{-6} in/in°C	
Shore D Hardness:	76		
Lap Shear @ 23°C:	986	psi	
Die Shear @ 23°C:	≥ 4	Kg	1,422 psi
Degradation Temp:	313	°C	
Weight Loss:			
@ 200°C:	3.77	%	
@ 250°C:	4.41	%	
@ 300°C:	7.97	%	
Suggested Operating Temperature:	< 260	°C (Intermittent)	
Storage Modulus:	229,854	psi	
* Particle Size:	≤ 20	microns	

EPOXY TECHNOLOGY, INC.
14 FORTUNE DRIVE, BILLERICA, MA 01821 (978) 667-3805, FAX (978) 663-9782
www.epotek.com