Preliminary Product Information Sheet

EPO-TEK® OD1001-67 (*formerly 120-135*)

Note: These are typical properties to be used as a guide only, not a specification. Data below is not guaranteed. Different batches, conditions and applications yield differing results.

Date:	September 2017
Rev:	IV
No. of Components:	Single
Mix Ratio by Weight:	N/A
Specific Gravity:	1.04
Pot Life:	28 Days
Shelf Life- Bulk:	One year at -40°C

Recommended Cure: 150°C / 1 Hour

Minimum Alternative Cure(s):
May not achieve performance properties listed below
150°C / 30 Minutes
125°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, electrically insulating epoxy designed as a low stress underfill adhesive for large die. This is a more flowable modification of TD1001-67.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:	**Cure condition:** 150°C / 1 Hour	
Color (before cure):	Cream	
Consistency:	Smooth thin paste	
Viscosity (23°C) @ 100 rpm:	1,400	cPs
Thixotropic Index:	1.6	
Glass Transition Temp:	3	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -40-200°C @20°C/Min)
Shore A Hardness:	83	
Die Shear @ 23°C:	2	Kg
Degradation Temp:	330	°C
Weight Loss:		
@ 200°C:	0.11	%
@ 250°C:	0.44	%
@ 300°C:	2.06	%
Suggested Operating Temperature:	< 275	°C (Intermittent)
Storage Modulus:	111,780	psi

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	≥ 90% @ 660-2100	nm
Refractive Index:	1.5247 @ 589	nm

The data above is INITIAL only - it may be changed at any time, for any reason without notice to anyone. It is provided only as a guide for evaluation/consideration.

* These material characteristics are typical properties that are based on a limited number of samples/batches. All properties are based on the cure indicated above. Some properties may vary as manufactured quantities are scaled up to commercialized production levels.

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