



## Product Information Sheet

### EPO-TEK® OJ2145

**Date:** September 2017  
**Rev:** IV  
**No. of Components:** Two  
**Mix Ratio by Weight:** 10 : 4.5  
**Specific Gravity:** Part A: 1.22      Part B: 0.96  
**Pot Life:** < 30 Minutes  
**Shelf Life- Bulk:** One year at room temperature

**Recommended Cure: 65°C / 3 Hours**

Minimum Alternative Cure(s):  
*May not achieve performance properties listed below*  
80°C / 2 Hours  
23°C / 24 Hours

#### 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.
- Syringe packaging will impact initial viscosity and effective pot life, potentially beyond stated parameters.
- Contact [techserv@epotek.com](mailto:techserv@epotek.com) for alternatives designed to meet European regulatory requirements.

**Product Description:** Two component, slightly thixotropic alternative to EPO-TEK® 302-3M. It is an epoxy adhesive/encapsulant designed for resisting moisture and damp-heat in glob top applications.

**Typical Properties:** Cure condition: varies as required      Different batches, conditions & applications yield differing results.  
Data below is not guaranteed. To be used as a guide only, not as a specification. \* denotes test on lot acceptance basis

PHYSICAL PROPERTIES:			
* Color (before cure):	Part A: Cloudy	Part B: Clear/colorless	
* Consistency:	Pourable liquid		
* Viscosity (23°C) @ 100 rpm:	700 - 2,500	cPs	
Thixotropic Index:	1.6		
* Glass Transition Temp:	≥ 60	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)	
Shore D Hardness:	80		
Die Shear @ 23°C:	≥ 20	Kg	7,112 psi
Degradation Temp:	321	°C	
Weight Loss:			
	@ 200°C:	2.10	%
	@ 250°C:	3.65	%
	@ 300°C:	6.22	%
Suggested Operating Temperature:	< 250	°C (Intermittent)	
* Particle Size:	≤ 20	microns	

  

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	> 95% @ 400	nm
	> 97% @ 460-1660	nm
Refractive Index:	1.545 @ 589	nm

This information is based on data and tests believed to be accurate. Epoxy Technology, Inc. makes no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with any use of this product.

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