



Product Information Sheet

EPO-TEK® OG653

Date: September 2017
Rev: VIII
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 1.10
Pot Life: N/A
Shelf Life- Bulk: One year at room temperature

Recommended Cure: 100mW/cm² @ 365 nm for > 1 second,
depending on thickness

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: UV curable adhesive designed for glob top encapsulation

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):	Green		
* Consistency:	Liquid		
* Viscosity (23°C) @ 100 rpm:	650 - 850	cPs	
Thixotropic Index:	N/A		
Glass Transition Temp:	65	°C	
Coefficient of Thermal Expansion (CTE):			
Below Tg:	75	x 10 ⁻⁶ in/in°C	
Above Tg:	162	x 10 ⁻⁶ in/in°C	
Shore D Hardness:	76		
Lap Shear @ 23°C:	1,336	psi	
Die Shear @ 23°C:	≥ 3	Kg	1,067 psi
Degradation Temp:	310	°C	
Weight Loss:			
@ 200°C:	1.96	%	
@ 250°C:	3.44	%	
Suggested Operating Temperature:	< 250	°C (Intermittent)	
Storage Modulus:	346,030	psi	
* Particle Size:	N/A		

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	≥ 97% @ 440-2220	nm
	83% @ 380	nm
	33% @ 320	nm
Refractive Index (uncured):	1.4874 @589	nm
Refractive Index (cured):	1.5106 @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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