



## Product Information Sheet

### EPO-TEK® OG114-4

<b>Date:</b>	September 2017	<b>Recommended Cure:</b> 100mW/cm <sup>2</sup> for 1-2 minutes @ 320-500 nm (depending on thickness)
<b>Rev:</b>	V	
<b>No. of Components:</b>	Single	
<b>Mix Ratio by Weight:</b>	N/A	
<b>Specific Gravity:</b>	1.03	
<b>Pot Life:</b>	N/A	
<b>Shelf Life- Bulk:</b>	One year refrigerated	

#### 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, optically transparent, UV curable adhesive for opto-electronic applications including fiber packaging, LCD, LEDs, sensor devices, SCI-OEM precision optics and general electronic assembly. It is non-yellowing after cure as measured per ASTM D-1925.

**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):	Clear		
* Consistency:	Pourable liquid		
* Viscosity (23°C) @ 100 rpm:	150 - 250	cPs	
Thixotropic Index:	N/A		
* Glass Transition Temp:	≥ 50	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)	
Coefficient of Thermal Expansion (CTE):			
Below Tg:	73	x 10 <sup>-6</sup> in/in°C	
Above Tg:	209	x 10 <sup>-6</sup> in/in°C	
Shore D Hardness:	69		
Lap Shear @ 23°C:	N/A		
Die Shear @ 23°C:	≥ 10	Kg	3,556 psi
Degradation Temp:	372	°C	
Weight Loss:			
@ 200°C:	0.95	%	
@ 250°C:	1.55	%	
@ 300°C:	2.66	%	
Suggested Operating Temperature:	< 275	°C (Intermittent)	
Storage Modulus:	184,135	psi	
* Particle Size:	N/A		

  

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	> 98% @ 460-2000	nm
Refractive Index (uncured):	1.5176 @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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