

Number of Components:	Single	Minimum Bond Line Cure Schedule*:	
Mix Ratio By Weight:	N/A	100mW/cm ² for > 4 minutes @ 320-500 nm (depending on thickness)	
Specific Gravity:	1.41		
Part A			
Part B			
Pot Life:	N/A		
Shelf Life:	One year at room temperature		

Note: Container(s) should be kept closed in a dark location when not in use. *Please see Applications Note(s) available on our website.

Product Description:

EPO-TEK[®] OG134 is single component, optically clear, low refraction (Nd), UV curable epoxy adhesive for fiber optic and opto-electronic device packaging.

EPO-TEK[®] OG134 Advantages & Application Notes:

- Low viscosity allows for capillary wicking or coating dispersion techniques. It may be applied by needles, drip-feed or hand methods.
- Refractive Index lower than silica.
- Soft and flexible after cure.
- Suggested Applications:
 - Fiber Optics: channels light efficiently from fiber-to-lens, fiber-to-diodes; Adheres to Si-glass, quartz, most glasses, ceramics and metals.
 - LCDs: micro-molding lenses for LCD projection. Lenses 50 um diameter and 23 um thickness may be fabricated between quartz plates.

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

Physical Properties:	
*Color: Clear/Light Yellow	Die Shear Strength @ 23°C: ≥ 4 Kg / 1,360 psi
*Consistency: Thin pourable liquid	Degradation Temp. (TGA): 250°C
*Viscosity (@ 100 RPM/23°C): 50 - 100 cPs	Weight Loss:
Thixotropic Index: N/A	@ 200°C: 4.64%
*Glass Transition Temp.(Tg): ≥ 15°C (Dynamic Post- Cure Scan 20—200°C; Ramp -10—200°C @ 20°C/Min)	@ 250°C:
Coefficient of Thermal Expansion (CTE):	@ 300°C:
Below Tg: 156 x 10 ⁻⁶ in/in/°C	Operating Temp:
Above Tg: 208 x 10 ⁻⁶ in/in/°C	Continuous: - 55°C to 100°C
Shore D Hardness: 48	Intermittent: - 55°C to 200°C
	Storage Modulus @ 23°C: 76,876 psi
	Particle Size: N/A
Optical Properties @ 23°C:	
*Index of Refraction @ 23°C: < 1.4230 @ 589 nm	Spectral Transmission @ 23°C: >99% @ 580-1100 nm >98% @ 1600 nm

EPOXY TECHNOLOGY, INC.

14 Fortune Drive, Billerica, MA 01821-3972 Phone: 978.667.3805 Fax: 978.663.9782
www.EPOTEK.com

Epoxy and Adhesives for Demanding Applications™

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.