



Preliminary Product Information Sheet

(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.)

MATERIAL ID: EPO-TEK® OG675 (formerly 75-145)
Date: Sep 2013
Rev: V
Material Description: A UV fast curing, optically clear adhesive offering compliance and high strength.
Number of Components: Single
Mix Ratio by Weight: N/A
Recommended Cure: 100mW/cm² @ 240-365 for > 2 seconds, depending on thickness - under an F-type Mercury lamp
Specific Gravity: 1.11
Pot Life: N/A
Shelf Life: One year at room temperature

NOTE: Container(s) should be kept closed when not in use. Filled systems should be stirred thoroughly before mixing and prior to use.

MATERIAL CHARACTERISTICS:

PHYSICAL PROPERTIES:

Color (before cure):	Clear/Colorless
Consistency	Pourable liquid
Viscosity (23°C):@ 100 rpm	3,426 cPs
Thixotropic Index:	N/A
Glass Transition Temp:	0.24 °C
Coefficient of Thermal Expansion (CTE):	
Below Tg:	41 x 10 ⁻⁶ in/in°C
Above Tg:	201 x 10 ⁻⁶ in/in°C
Shore A Hardness:	70
Degradation Temp:	365 °C
Weight Loss:	
@ 200°C	0.33 %
@ 250°C	1.11 %
@ 300°C	2.53 %
Operating Temp:	
Continuous:	- 55°C to 200°C
Intermittent:	- 55°C to 300°C

ELECTRICAL AND THERMAL PROPERTIES:

Thermal Conductivity:	N/A
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OPTICAL PROPERTIES @ 23°C:

Spectral Transmission:	≥ 98% @ 400-1660 nm
Index of Refraction:	1.479 @ 589 nm

The data above is INITIAL only - it may be changed at anytime, 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.