

## Product Information Sheet

**MATERIAL ID:**

**EPO-TEK® OG125**

**Date:** 08/2008

**Per:**

**Rev:** I

**Material Description:**

A single component, optically clear, low index of refraction, UV curable epoxy adhesive for fiber optic and opto-electronic device packaging.

**Number of Components:**

Single

**Mix Ratio by weight:**

NA

**Cure Schedule (minimum)\***

100mW/cm<sup>2</sup> for > 2 minutes @ 320-500 nm (depending on thickness)

**Specific Gravity:**

1.33 --- 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.

**MATERIAL CHARACTERISTICS:** *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

<b>PHYSICAL PROPERTIES:</b>	
<b>*Color (before cure):</b>	Clear
<b>*Consistency:</b>	Pourable liquid
<b>*Viscosity (23°C):</b>	
@ 100 rpm	50 - 100 cPs
<b>Thixotropic Index:</b>	N/A
<b>*Glass Transition</b>	≥ 55 °C (Post-Cure)
	Dynamic Scan 20—200°C; Ramp -10—200°C @ 20°C/Min)
<b>Coefficient of Thermal Expansion (CTE):</b>	
Below Tg:	86 x 10 <sup>-6</sup> in/in°C
Above Tg:	199 x 10 <sup>-6</sup> in/in°C
<b>Shore D Hardness:</b>	62
<b>Die Shear @ 23°C:</b>	≥ 10 Kg / 3,400 psi
<b>Degradation Temp:</b>	200 °C
<b>Weight Loss:</b>	
@ 200°C:	8.9 %
@ 250°C:	
@ 300°C:	
<b>Operating Temp:</b>	
Continuous:	- 55°C to + 50°C
Intermittent:	- 55°C to + 150°C
<b>Storage Modulus @ 23°C:</b>	230,594 psi
<b>*Particle Size:</b>	N/A
<b>OPTICAL PROPERTIES @ 23°C:</b>	
<b>Spectral Transmission:</b>	>97 % @ 540-2000 nm
<b>Refractive Index (uncured):</b>	1.4359 @ 589 nm

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