

EPO-TEK® OG116

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

A single component, UV cured, high viscosity adhesive for opto-electronic applications including fiber optic packaging, sensor device, SCI-OEM optics and general electronic assembly. Notable qualities include high Tg and index of refraction.

General Information		
Features	High Viscosity	
	UV Curable	
Uses	Adhesives	
	Electrical/Electronic Applications	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Liquid	
Thermal	Nominal Value	Unit
Glass Transition Temperature	146	°C
CLTE - Flow		
-- ¹	5.6E-5	cm/cm/°C
-- ²	1.7E-4	cm/cm/°C
Optical	Nominal Value	Unit
Refractive Index		
-- ³	1.573	
-- ⁴	1.589	
Transmittance		
400 nm	89.0	%
560 to 1660 nm	> 98.0	%
Thermoset	Nominal Value	Unit
Shelf Life (23°C)	52	wk
Additional Information	Nominal Value	Unit
Degradation Temperature	424	°C
Operating Temperature		
Continuous	-55 to 200	°C
Intermittent	-55 to 300	°C
Storage Modulus	1.49	GPa

Weight Loss on Heating		
200°C	0.19	%
250°C	0.40	%
300°C	0.68	%
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Density	1.20	g/cm ³
Viscosity ⁵ (23°C)	89	Pa·s
NOTE		
1.	Below Tg	
2.	Above Tg	
3.	589 nm (uncured)	
4.	589 nm (cured)	
5.	2.5 rpm	

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