

EPO-TEK® OG146-104

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

A single component, UV curable epoxy designed for adhesive, coating and encapsulating applications within the semiconductor, fiber optic and medical industries. It can be used with fiber packaging, LCD, displays, lenses, micro-lens, CCD, and CMOS image sensors. It is non-yellowing after cure.

Formerly 91-104

General Information		
Features	UV Curable	
Uses	Adhesives	
	Coating Applications	
	Electrical/Electronic Applications	
	LCD Applications	
	Medical/Healthcare Applications	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Liquid	
Processing Method	Encapsulating	
Thermal	Nominal Value	Unit
Glass Transition Temperature	81.0	°C
Optical	Nominal Value	Unit
Refractive Index		
-- 1	1.514	
-- 2	1.525	
Transmittance (460 to 1660 nm)	> 97.0	%
Thermoset	Nominal Value	Unit
Shelf Life ³	26	wk
Additional Information	Nominal Value	Unit
Degradation Temperature	356	°C
Operating Temperature		
Continuous	-55 to 150	°C
Intermittent	-55 to 250	°C
Weight Loss on Heating		
200°C	0.58	%
250°C	1.6	%
300°C	3.9	%

Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Density	1.09	g/cm ³
Viscosity ⁴ (23°C)	0.16	Pa·s
Pot Life	20000	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	80	
NOTE		
1.	589 nm (uncured)	
2.	589 nm (cured)	
3.	Refrigerated	
4.	100 rpm	

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