

EPO-TEK® OG142-95

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

Single component, low viscosity, UV curable epoxy for adhesive sealing and encapsulating fiber optic and optoelectronic packaging application.

Replacement version of EPO-TEK® OG142-17 with better bonding strength and moisture resistance.

Formerly 90-95-1

General Information		
Features	Low Viscosity	
	UV Curable	
Uses	Adhesives	
	Electrical/Electronic Applications	
	Seals	
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
CLTE - Flow		
-- ¹	5.0E-5	cm/cm/°C
-- ²	1.6E-4	cm/cm/°C
Optical	Nominal Value	Unit
Refractive Index		
-- ³	1.492	
-- ⁴	1.512	
Transmittance (580 to 1680 nm)	> 97.0	%
Thermoset	Nominal Value	Unit
Shelf Life ⁵	52	wk
Additional Information	Nominal Value	Unit
Degradation Temperature	358	°C
Operating Temperature		
Continuous	-55 to 200	°C
Intermittent	-55 to 300	°C
Storage Modulus	3.59	GPa
Weight Loss on Heating		

200°C	0.39	%
250°C	1.2	%
300°C	3.1	%
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Density	1.17	g/cm ³
Viscosity ⁶ (23°C)	0.53	Pa·s
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	82	
NOTE		
1.	Below Tg	
2.	Above Tg	
3.	589 nm (uncured)	
4.	589 nm (cured)	
5.	Refrigerated	
6.	100 rpm	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

