EPO-TEK® OG154-1

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

Single component, UV curable epoxy for adhesive sealing and encapsulating applications found in semicondutor, electro-optics, fiber optics, medical and scientific/OEM industries. Replacement for EPO-TEK® OG154.
Formerly 90-108-5

General Information		
Features	UV Curable	
Uses	Adhesives Electrical/Electronic Applications Medical/Healthcare 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**
Glass Transition Temperature [1]	> 100	°C
CLTE - Flow		
-- [2]	5.5E-5	cm/cm/°C
-- [3]	2.4E-4	cm/cm/°C
Optical	**Nominal Value**	**Unit**
Refractive Index		
-- [4]	1.556	
-- [5]	1.569	
Transmittance (500 to 1660 nm)	> 97.0	%
Thermoset	**Nominal Value**	**Unit**
Shelf Life [6]	52	wk
Additional Information	**Nominal Value**	**Unit**
Degradation Temperature	379	°C
Die Shear Strength - >10 kg (23°C)	23.4	MPa
Operating Temperature		
Continuous	-55 to 200	°C
Intermittent	-55 to 300	°C
Storage Modulus	1.83	GPa

Weight Loss on Heating		
200°C	0.17	%
250°C	0.66	%
300°C	1.5	%
Uncured Properties	**Nominal Value**	**Unit**
Color	Clear/Transparent	
Density	1.10	g/cm³
Viscosity [7] (23°C)	26 to 34	Pa·s
Cured Properties	**Nominal Value**	**Unit**
Shore Hardness (Shore D)	80	
NOTE		
1.	Dynamic Cure 20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min	
2.	Below Tg	
3.	Above Tg	
4.	589 nm (uncured)	
5.	589 nm (cured)	
6.	Refrigerated	
7.	5 rpm	

Recommended distributors for this material

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