

EPO-TEK® 323LP-LH Ultra

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

Longer pot life version of EPO-TEK® 353ND designed for semiconductor, hybrid, fiber-optic, hard -disk drive and medical applications. This product easily meets halogen-free requirements.

General Information		
Features	Halogen Free	
Uses	Electrical/Electronic Applications	
	Medical/Healthcare Applications	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Liquid	
Physical	Nominal Value	Unit
Ion Type		
Cl-	27	ppm
K+	4	ppm
Na+	2	ppm
NH4+	519	ppm
Degradation Temperature	413	°C
Operating Temperature		
Continuous	-55 to 250	°C
Intermittent	-55 to 350	°C
Storage Modulus	2.67	GPa
Weight Loss on Heating		
200°C	0.48	%
250°C	0.71	%
300°C	1.2	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	117	°C
CLTE - Flow		
-- ¹	3.1E-5	cm/cm/°C
-- ²	1.3E-4	cm/cm/°C
Optical	Nominal Value	Unit
Refractive Index ³	1.570	

Transmittance		
640 to 800 nm	> 90.0	%
820 to 1620 nm	> 94.0	%
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 10	
Part B	Mix Ratio by Weight: 1.0	
Shelf Life (23°C)	52	wk
Uncured Properties	Nominal Value	Unit
Color		
-- ⁴	Clear/Transparent	
-- ⁵	Yellow	
Density		
Part B	1.09	g/cm ³
Part A	1.20	g/cm ³
Viscosity ⁶ (23°C)	3.9	Pa·s
Curing Time (90°C)	0.50	hr
Pot Life	2100	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	88	
Lap Shear Strength (23°C)	> 13.8	MPa
NOTE		
1.	Below Tg	
2.	Above Tg	
3.	589 nm	
4.	Part A	
5.	Part B	
6.	50 rpm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT