

EPO-TEK® 323LP-LH Premium

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 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-	174	ppm
K+	0	ppm
Na+	0	ppm
NH4+	533	ppm
Degradation Temperature	410	°C
Operating Temperature		
Continuous	-55 to 250	°C
Intermittent	-55 to 350	°C
Storage Modulus	2.67	GPa
Weight Loss on Heating		
200°C	0.37	%
250°C	0.59	%
300°C	1.1	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	118	°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)	4.1	Pa·s
Curing Time (90°C)	0.50	hr
Pot Life	1900	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	

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