

EPO-TEK® 383ND-LH Ultra

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

A slightly longer pot-life version of EPO-TEK® 353ND. This product easily meets halogen-free requirements.

General Information		
Features	Halogen Free	
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-	4	ppm
K+	1	ppm
Na+	5	ppm
NH4+	218	ppm
Particle Size	< 20.0	µm
Degradation Temperature	421	°C
Operating Temperature		
Continuous	-55 to 250	°C
Intermittent	-55 to 350	°C
Storage Modulus	2.54	GPa
Weight Loss on Heating		
200°C	0.39	%
250°C	0.50	%
300°C	0.79	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	116	°C
CLTE - Flow		
-- ¹	3.4E-5	cm/cm/°C
-- ²	1.3E-4	cm/cm/°C
Optical	Nominal Value	Unit
Refractive Index ³	1.572	
Transmittance (520 to 1660 nm)	> 90.0	%
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	0.988	g/cm ³
Part A	1.20	g/cm ³
Viscosity ⁶ (23°C)	4.0	Pa·s
Curing Time (90°C)	> 0.50	hr
Pot Life	510	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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