

Epoxy Technology EPO-TEK® 323LP Epoxy

Category : Polymer , Thermoset , Epoxy

Material Notes:

Material Description: Longer pot life version of EPO-TEK® 353ND designed for semiconductor, hybrid, fiber-optic, hard-disk drive and medical applications. Information Provided by Epoxy Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_Epoxy-Technology-EPO-TEK-323LP-Epoxy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	Part B
	1.20 g/cc	1.20 g/cc	Part A
Viscosity	3500 - 5000 cP	3500 - 5000 cP	50 rpm
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Tensile Modulus	2.67 GPa	388 ksi	Storage
Shear Strength	>= 13.8 MPa	>= 2000 psi	Lap
	>= 46.9 MPa	>= 6800 psi	Die

Thermal Properties	Metric	English	Comments
CTE, linear	31.0 µm/m-°C	17.2 µin/in-°F	Below Tg
	132 µm/m-°C	73.3 µin/in-°F	Above Tg
Maximum Service Temperature, Air	250 °C	482 °F	Continuous
	350 °C	662 °F	Intermittent
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	Continuous
	-55.0 °C	-67.0 °F	Intermittent
Glass Transition Temp, Tg	>= 100 °C	>= 212 °F	Dynamic Cure 20–200°C /ISO 25 Min; Ramp 10–200°C @ 20°C/Min
Decomposition Temperature	413 °C	775 °F	Degradation Temperature

Optical Properties	Metric	English	Comments
	1.5703	1.5703	

Refractive Index Optical Properties	Metric	English	Comments
	@Wavelength 589 nm	@Wavelength 589 nm	
Transmission, Visible	<= 94 %	<= 94 %	Spectral
	@Wavelength 820 - 1620 nm	@Wavelength 820 - 1620 nm	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 3.00e+12 ohm-cm	>= 3.00e+12 ohm-cm	
Dielectric Constant	2.62	2.62	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.032	0.032	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 90.0 °C	@Temperature 194 °F	
Pot Life	1440 min	1440 min	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Color	Clear to Slight Yellow	Part A
	Yellow	Part B
Consistency	Pourable liquid	
Mix Ratio By Weight	10:1	
Number of Components	Two	
Weight Loss	0.31%	200°C
	0.46%	250°C
	0.85%	300°C

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China