

## Epoxy Technology EPO-TEK® 360ST High Temperature Epoxy

Category : Polymer , Thermoset , Epoxy , Epoxy , High Temperature

### Material Notes:

Material Description: A two component, high-temperature grade, electrically and thermally insulating epoxy for semiconductor, electronics, fiber optics and medical applications. It is a slightly thixotropic paste for non-flow properties. Information Provided by Epoxy Technology

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Epoxy-Technology-EPO-TEK-360ST-High-Temperature-Epoxy.php](http://www.lookpolymers.com/polymer_Epoxy-Technology-EPO-TEK-360ST-High-Temperature-Epoxy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	Part B
	1.03 g/cc	1.03 g/cc	Part A
Particle Size	<= 20 µm	<= 20 µm	
Viscosity	1400 - 2400 cP	1400 - 2400 cP	100 rpm
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	
Tensile Modulus	2.4577 GPa	356.46 ksi	Storage
Shear Strength	>= 13.8 MPa	>= 2000 psi	Lap
	>= 23.4 MPa	>= 3400 psi	Die

Thermal Properties	Metric	English	Comments
CTE, linear	51.0 µm/m-°C	28.3 µin/in-°F	Below Tg
	215 µm/m-°C	119 µin/in-°F	Above Tg
Maximum Service Temperature, Air	175 °C	347 °F	Continuous
	275 °C	527 °F	Intermittent
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	Continuous
	-55.0 °C	-67.0 °F	Intermittent
Glass Transition Temp, Tg	>= 80.0 °C	>= 176 °F	Dynamic Cure 20–200°C /ISO 25 Min; Ramp 10–200°C @ 20°C/Min
Decomposition Temperature	344 °C	651 °F	Degradation Temperature

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 1.80e+13 ohm-cm	<= 1.80e+13 ohm-cm	
Dielectric Constant	3.58	3.58	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.012	0.012	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	1.00 min	0.0167 hour	minimum
	@Temperature 150 °C	@Temperature 302 °F	
	10.0 min	0.167 hour	minimum
	@Temperature 100 °C	@Temperature 212 °F	
Pot Life	180 min	180 min	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Color	Amber	Part B
	Tan	Part A
Consistency	Slightly thixotropic paste	
Mix Ratio By Weight	100:10	
Number of Components	Two	
Thixotropic Index	2.6	
Weight Loss	0.88%	200°C
	1.86%	250°C
	4.01%	300°C

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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