

EPO-TEK® T6067-3

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

A single component, thermally conductive, electrically insulating epoxy designed for microelectronic packaging and assemblies. It may be used for bonding SMD's, die-attach, substrate-attach or general heat sinking. It is a lower viscosity version of EPO-TEK® T6067.

Formerly 93-86

General Information		
Features	Electrically Insulating	
	Thermally Conductive	
	Thixotropic	
Uses	Adhesives	
	Bonding	
	Electrical/Electronic Applications	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Paste	
Physical	Nominal Value	Unit
Particle Size	< 20.0	µm
Degradation Temperature	402	°C
Operating Temperature		
Continuous	-55 to 200	°C
Intermittent	-55 to 300	°C
Weight Loss on Heating		
200°C	0.060	%
250°C	0.44	%
300°C	0.90	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	109	°C
CLTE - Flow		
-- 1	4.7E-5	cm/cm/°C
-- 2	1.7E-4	cm/cm/°C
Thermal Conductivity	1.0	W/m/K
Thermoset	Nominal Value	Unit
Shelf Life (-40°C)	52	wk

Uncured Properties	Nominal Value	Unit
Color	White	
Density	1.80	g/cm ³
Viscosity ³ (23°C)	130	Pa·s
Curing Time (150°C)	> 1.0	hr
Pot Life	40000	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	89	
Relative Permittivity (1 kHz)	3.33	
Volume Resistivity (23°C)	> 2.0E+13	ohms·cm
Dissipation Factor (1 kHz)	0.011	
NOTE		
1.	Below Tg	
2.	Above Tg	
3.	1 rpm	

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