

EPO-TEK® H67MP-GB

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

A single component, thermally conductive, electrically insulating epoxy designed to meet the requirements of MIL-STD-883/Test Method 5011 for hybrid microelectronic packaging and assemblies. It maybe used for bonding SMDs, die-attach, substrate-attach or general heat sinking. It is a version of EPO-TEK® H67MP which contains 2 mil glass beads.

General Information		
Features	Electrically Insulating	
	Thermally Conductive	
Uses	Adhesives	
	Bonding	
	Electrical/Electronic Applications	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
	MIL Std. 883	
RoHS Compliance	RoHS Compliant	
Forms	Paste	
Physical	Nominal Value	Unit
Ion Type		
Cl-	< 200	ppm
K+	< 50	ppm
Na+	< 50	ppm
NH4+	44	ppm
Particle Size	< 55.0	µm
Degradation Temperature	360	°C
Operating Temperature		
Continuous	-55 to 200	°C
Intermittent	-55 to 300	°C
Storage Modulus (23°C)	5.88	GPa
Weight Loss on Heating		
200°C	0.29	%
250°C	0.79	%
300°C	1.6	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	93.0	°C

CLTE - Flow		
-- ¹	1.7E-5	cm/cm/°C
-- ²	7.5E-5	cm/cm/°C
Thermal Conductivity	0.43	W/m/K
Thermoset	Nominal Value	Unit
Shelf Life (-40°C)	52	wk
Uncured Properties	Nominal Value	Unit
Color	White	
Density	2.00	g/cm ³
Viscosity ³ (23°C)	330	Pa · s
Curing Time (150°C)	1.0	hr
Pot Life	40000	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	86	
Lap Shear Strength (23°C)	> 13.8	MPa
Relative Permittivity (1 kHz)	5.01	
Volume Resistivity (23°C)	2.0E+13	ohms · cm
Dissipation Factor (1 kHz)	4.5E-3	
NOTE		
1.	Below Tg	
2.	Above Tg	
3.	1 rpm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

