

EPO-TEK® H62

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

EPO-TEK® H62 is a single component, electrically insulating, and thermally conductive epoxy adhesive. It may be used for heat-sinking semiconductor, hybrids, or electronic circuits.

General Information			
Features	Electrically Insulating		
	Good Adhesion		
	High Viscosity		
	Thermally Conductive		
	Thixotropic		
Uses	Adhesives		
	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	
Ion Type			
Cl-	55	ppm	
K+	28	ppm	
Na+	136	ppm	
NH4+	96	ppm	
Particle Size	< 50.0	µm	
Degradation Temperature	436	°C	TGA
Die Shear Strength - > 15 kg (23°C)	35.2	MPa	
Operating Temperature			
Continuous	-55 to 275	°C	
Intermittent	-55 to 375	°C	
Storage Modulus (23°C)	4.53	GPa	
Thixotropic Index	1.89		
Weight Loss on Heating			
200°C	0.31	%	
250°C	0.42	%	

300°C	0.62	%	
Thermal	Nominal Value	Unit	
Glass Transition Temperature ¹	> 110	°C	
CLTE - Flow			
-- ²	4.8E-5	cm/cm/°C	
-- ³	1.2E-4	cm/cm/°C	
Thermal Conductivity	0.50	W/m/K	
Optical	Nominal Value	Unit	
Transmittance (300 to 2500 nm)	< 1.0	%	
Thermoset	Nominal Value	Unit	Test Method
Shelf Life ⁴	52	wk	
Uncured Properties	Nominal Value	Unit	Test Method
	Black		
Color	Opaque		
Density	1.78	g/cm ³	
Viscosity ⁵ (23°C)	17 to 27	Pa · s	
Curing Time (150°C)	1.0	hr	
Pot Life	22000	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		
Lap Shear Strength (23°C)	4.14	MPa	
Relative Permittivity (1 kHz)	4.65		
Volume Resistivity (23°C)	> 2.0E+13	ohms · cm	
Dissipation Factor (1 kHz)	0.011		
NOTE			
1.	Dynamic Cure 20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min		
2.	Below Tg		
3.	Above Tg		
4.	Refrigerated		
5.	10 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

