

# EPO-TEK® 730-110

Epoxy; Epoxide

Epoxy Technology Inc.

## Message:

A two component, room temperature-curing, thermally and electrically insulating epoxy. It can be used for adhesive, sealing, potting or encapsulation applications found in semiconductor, electronics, optical and medical devices.

General Information		
Features	Electrically Insulating	
	Thermally Insulating	
Uses	Adhesives	
	Electrical/Electronic Applications	
	Medical/Healthcare Applications	
	Optical Applications	
	Seals	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Liquid	
Processing Method	Encapsulating	
	Potting	
Thermal	Nominal Value	Unit
Glass Transition Temperature <sup>1</sup>	> 50.0	°C
CLTE - Flow		
-- <sup>2</sup>	6.1E-5	cm/cm/°C
-- <sup>3</sup>	1.9E-4	cm/cm/°C
Optical	Nominal Value	Unit
Refractive Index <sup>4</sup>	1.528	
Transmittance (480 to 1640 nm)	> 95.0	%
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Shelf Life (23°C)	52	wk
Additional Information	Nominal Value	Unit

Degradation Temperature	343	°C
Die Shear Strength - > 10 kg (23°C)	23.4	MPa
Operating Temperature		
Continuous	-55 to 150	°C
Intermittent	-55 to 250	°C
Storage Modulus	896	MPa
Weight Loss on Heating (200°C)	1.0	%
Uncured Properties	Nominal Value	Unit
Color		
-- 5	Clear/Transparent	
-- 6	Yellow	
Density		
Part B	0.968	g/cm <sup>3</sup>
Part A	1.17	g/cm <sup>3</sup>
Viscosity <sup>7</sup> (23°C)	8.0 to 12	Pa·s
Curing Time (80°C)	2.0	hr
Pot Life	60	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	76	
Lap Shear Strength (23°C)	> 13.8	MPa
Relative Permittivity (1 kHz)	3.10	
Volume Resistivity (23°C)	> 4.0E+12	ohms·cm
Dissipation Factor (1 kHz)	8.0E-3	
NOTE		
1.	Dynamic Cure 20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min	
2.	Below Tg	
3.	Above Tg	
4.	589 nm	
5.	Part A	
6.	Part B	
7.	20 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



WECHAT