

# EPO-TEK® OE132-43

Thermoset Polyimide

Epoxy Technology Inc.

## Message:

A single component, solvent containing, low viscosity polyimide designed for high temperature applications found in semiconductor, hybrid, optical, and medical devices. It is used mostly as a coating and dielectric layer. It can be used at high temperatures. It is a REACH compliant version of EPO-TEK OE132. Formerly 108-43-3

General Information		
Features	Low Viscosity	
Uses	Coating Applications	
	Electrical/Electronic Applications	
	High Temperature Applications	
	Medical/Healthcare Applications	
	Optical Applications	
Agency Ratings	EC 1907/2006 (REACH)	
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	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Liquid	
Thermal	Nominal Value	Unit
Glass Transition Temperature	280	°C
CLTE - Flow <sup>1</sup>	2.8E-5	cm/cm/°C
Optical	Nominal Value	Unit
Refractive Index	1.614	
Transmittance (390 to 2500 nm)	> 70.0	%
Thermoset	Nominal Value	Unit
Shelf Life (23°C)	52	wk
Dry Time	> 7.0	day
Degradation Temperature	500	°C
Operating Temperature		
Continuous	-55 to 350	°C
Intermittent	-55 to 450	°C
Storage Modulus	5.52	GPa
Weight Loss on Heating		
200°C	0.15	%
250°C	0.27	%
300°C	0.52	%

Uncured Properties	Nominal Value	Unit
Color	Yellow	
Density	1.06	g/cm <sup>3</sup>
Viscosity <sup>2</sup> (23°C)	1.2	Pa·s
Curing Time <sup>3</sup>	2.5	hr

#### NOTE

- |    |                                 |
|----|---------------------------------|
| 1. | Below Tg                        |
| 2. | 100 rpm                         |
| 3. | 150°C/1 Hour + 285°C/90 Minutes |

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