



Preliminary Product Information Sheet

(Note: These are typical properties to be used as a guide only, not a specification. Data below is not guaranteed. Different batches, conditions and applications yield differing results.)

MATERIAL ID: EPO-TEK[®] OE132-43 (formerly 108-43-3)

Date: Sep 2013

Rev: III

Material Description: 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.

Number of Components: Single

Mix Ratio by Weight: N/A

Recommended Cure: 150°C/1 Hour + 285°C/90 Minutes

Specific Gravity: 1.06

Dry Time: > 1 week

Shelf Life: One year at room temperature

NOTE: Container(s) should be kept closed when not in use. Filled systems should be stirred thoroughly before mixing and prior to use.

MATERIAL CHARACTERISTICS:

PHYSICAL PROPERTIES:		Cure Condition:
Color (before cure):	Yellow	
Consistency	Pourable liquid	
Viscosity (23°C): @ 100 rpm	1,155 cPs	
Thixotropic Index:	N/A	
Glass Transition Temp:	280 °C	
Coefficient of Thermal Expansion (CTE):		
Below Tg:	28 x 10 ⁻⁶ in/in°C	
Shore D Hardness:	N/A	
Lap Shear @ 23°C:	N/A	
Die Shear @ 23°C:	N/A Kg	
Degradation Temp:	500 °C	
Weight Loss:	@ 200°C	0.15 %
	@ 250°C	0.27 %
	@ 300°C	0.52 %
Operating Temp:		
Continuous:	- 55°C to 350°C	
Intermittent:	- 55°C to 450°C	
Storage Modulus:	800,000 psi	
Particle Size:	N/A	

OPTICAL PROPERTIES @ 23°C:

Spectral Transmission:	≥ 70% @ 390 - 2500 nm
Index of Refraction:	1.614 (cured)

The data above is INITIAL only - it may be changed at anytime, for any reason without notice to anyone. It is provided only as a guide for evaluation/consideration.

*These material characteristics are typical properties that are based on a limited number of samples/batches. All properties are based on the cure indicated above. Some properties may vary as manufactured quantities are scaled up to commercialized production levels.

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