



Preliminary Product Information Sheet

EPO-TEK® OE132-43 (formerly 108-43-3)

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.

Date: September 2017
Rev: IV
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 1.06
Pot Life: > 1 Week
Shelf Life- Bulk: One year at room temperature

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

NOTES:

- Container(s) should be kept closed when not in use.
- Filled systems should be stirred thoroughly before mixing and prior to use.
- Performance properties (rheology, conductivity, others) of the product may vary from those stated on the data sheet when bi-pak/syringe packaging or post-processing of any kind is performed. Epoxy's warranties shall not apply to any products that have been reprocessed or repackaged from Epoxy's delivered status/container into any other containers of any kind, including but not limited to syringes, bi-paks, cartridges, pouches, tubes, capsules, films or other packages.

Product Description: A single component, solvent containing, low viscosity polyimide designed for high temperature applications found in semiconductor, hybrid, and optical applications. 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.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:		Cure condition: varies as required	
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	
Degradation Temp:		500	°C
Weight Loss:			
	@ 200°C:	0.15	%
	@ 250°C:	0.27	%
	@ 300°C:	0.52	%
Suggested Operating Temperature:		< 450	°C (Intermittent)
Storage Modulus:		800,000	psi
Particle Size:		N/A	
OPTICAL PROPERTIES @ 23°C:			
Spectral Transmission:		≥ 70% @ 390-2500	nm
Refractive Index (cured):		1.614 @ 589	nm

The data above is INITIAL only - it may be changed at any time, 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.