Product Information Sheet

EPO-TEK® 390

Date: September 2017
Rev: V
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 1.36
Pot Life: N/A **Dry Time:** < 5 minutes
Shelf Life- Bulk: One year at room temperature

Recommended Cure: 200°C / 1 Hour

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 devices. It is used mostly as a coating and dielectric layer. It can be used at high temperatures.

Typical Properties: Cure condition: varies as required Different batches, conditions & applications yield differing results. Data below is not guaranteed. To be used as a guide only, not as a specification. * denotes test on lot acceptance basis

PHYSICAL PROPERTIES:		
* Color (before cure):	Yellow	
* Consistency:	Pourable liquid	
* Viscosity (23°C) @ 100 rpm:	< 100	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:	509	°C
Weight Loss:		
@ 250°C:	0.54	%
@ 300°C:	0.59	%
Suggested Operating Temperature:	< 450	°C (Intermittent)
Storage Modulus:	800,000	psi
* Particle Size:	N/A	

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	> 70% @ 860-2500	nm
Refractive Index (cured):	1.614 @589	nm

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