



Preliminary Product Information Sheet

EPO-TEK® PJ1390-1 (formerly 112-121)

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: V
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 1.13
Pot Life: N/A **Dry Time:** > 3 Weeks
Shelf Life- Bulk: One year at room temperature

Recommended Cure: 120°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 replacement for EPO-TEK® 390-1.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:	Cure condition: varies as required
Color (before cure):	Golden yellow
Consistency:	Pourable liquid
Viscosity (23°C) @ 100 rpm:	21 cPs
Thixotropic Index:	N/A
Die Shear @ 23°C:	N/A
Degradation Temp:	572 °C
Weight Loss:	
@ 200°C:	< 0.05 %
@ 250°C:	< 0.05 %
@ 300°C:	< 0.05 %
Suggested Operating Temperature:	< 500 °C (Intermittent)
Particle Size:	N/A

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	≥ 70% @ 860-2500	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.