

Preliminary Product Information Sheet

EPO-TEK® HYB-297-RT-HV PMF Syringe (formerly 121-82-2)

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:	November 2018	Recommended Cure: 100 mW/cm ² for 10 seconds @365 nm + 80°C / 3 Hours
Rev:	II	
No. of Components:	Single	Minimum Alternative Cure(s):
Mix Ratio by Weight:	N/A	<i>May not achieve performance properties listed below</i>
Specific Gravity:	1.12	100 mW/cm ² for 10 seconds @365 nm + 23°C / 3 Days
Pot Life:	< 3 Hours	
Shelf Life- Bulk:	Six months at -40°C	

NOTES:

- To prevent gelation, keep containers away from light sources.
- 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: Single component epoxy for fiber optic and semiconductor applications. It is a higher viscosity version of EPO-TEK® HYB-297-RT. It is designed to have similar cured performance to EPO-TEK® 301-2, but has been modified to allow for initial UV tacking to simplify the production process and save production time.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:	Cure condition: varies as required
Color (before cure):	Clear
Consistency:	Pourable liquid
Viscosity (23°C) @ 100 rpm:	613 cPs
Thixotropic Index:	1.2
Glass Transition Temp:	51 °C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:	80
Die Shear @ 23°C:	28.5 Kg
Degradation Temp:	371 °C
Weight Loss:	
	@ 200°C: 0.08 %
	@ 250°C: 0.55 %
	@ 300°C: 1.75 %
Suggested Operating Temperature:	< 300 °C (Intermittent)
Particle Size:	N/A

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	≥ 95% @ 580-1660	nm
Refractive Index:	1.5181 @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.