Manufacturer:
Epoxy Technology

Product Name:
EPO-TEK® HYB-353ND-LV Low Viscosity Epoxy, Hybrid Heat & UV Cure - Premixed and Frozen 3cc Syringe (5-Pack Sample)

Manufacturer Part Number:
ETHYB-353ND-LV-3CC-S5

Click here for more details on the EPO-TEK® HYB-353ND-LV Low Viscosity Epoxy, Hybrid Heat & UV Cure - Premixed and Frozen 3cc Syringe (5-Pack Sample)

EPO-TEK® HYB-353ND-LV

Technical Data Sheet
For Reference Only
UV-Hybrid Epoxy, Pre-Mixed and Frozen Syringe

Date: April 2026 **Rev: IV**
No. of Components: Single
Specific Gravity: 1.15
Pot Life: < 20 Hours
Shelf Life- Syringe: Six months at -40°C

Recommended Cure	
Initial Tack 100 mW/cm^2 @ 240-365nm	10 sec.
followed by 150°C	30 min.
Alternative Thermal Cures (After Initial Tack)	
100°C	30 min.
80°C	1 hour
* Contact Technical Services for application-specific variations	

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: EPO-TEK® HYB-353ND-LV is a single component, high temperature hybrid epoxy for semiconductor, fiber optic and medical applications. It is designed to have similar cured performance to EPO-TEK® 353ND, modified to allow for initial UV tacking. It is a lower viscosity version of EPO-TEK® HYB-353ND.

Typical Properties: *Cure condition: Initial Tack 100mW/cm^2 for 10 seconds @ 240-365nm + 150°C/30 Minutes*
To be used as a guide only, not as a specification. Different batches, conditions & applications yield differing results.
**denotes test on lot acceptance basis Data below is not guaranteed.*

PHYSICAL PROPERTIES:				
* Color (before cure):		Light Yellow		
* Consistency:		Pourable liquid		
* Viscosity (23°C) @ 100 rpm:		800 - 2,000	cPs	
* Glass Transition Temp:		≥ 80	°C	(Dynamic Cure:20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min)
Coefficient of Thermal Expansion (CTE):				
	Below Tg:	46 x 10^{-6}	in/in°C	
	Above Tg:	137 x 10^{-6}	in/in°C	
Shore D Hardness:		83		
Die Shear:		≥ 15	Kg	5,334 psi
Degradation Temp:		400	°C	
Weight Loss:	@ 200°C	0.08	%	
	@ 250°C	0.58	%	
	@ 300°C	1.61	%	
Suggested Operating Temperature:		< 350	°C	(Intermittent)

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	≥ 50% @ 550	nm
	≥ 95% @ 1,100-1,600	nm
	≥ 98% @ 800-1,000	nm
Refractive Index (uncured):	1.5215 @ 589	nm

Epoxies and Adhesives for Demanding Applications™