



Manufacturer:
Epoxy Technology

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

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



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



EPO-TEK® HYB-353ND-LV

Technical Data Sheet

For Reference Only

UV-Hybrid Epoxy, Pre-Mixed and Frozen Syringe

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

Rev: IV

Single

1.15

< 20 Hours

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/cm² 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

Epoxyes and Adhesives for Demanding Applications™

SELLER MAKES NO OTHER WARRANTY OR GUARANTEE OF ANY KIND REGARDING FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. BUYER ASSUMES FULL RESPONSIBILITY FOR QUALITY CONTROL, TESTING AND DETERMINATION OF SUITABILITY OF PRODUCT FOR ITS INTENDED APPLICATION OR USE.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Product specifications and data are subject to change without notice. FOC last update 5/8/2026.