

**Date:** June 2026  
**No. of Components:** Single  
**Specific Gravity:** 1.14  
**Pot Life:** < 2 Days  
**Shelf Life- Syringe:** Six months at -40°C

**Rev:** VIII

Recommended Cure	
Initial Tack 100 mW/cm <sup>2</sup> @ 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<sup>®</sup> HYB-353ND-TX2 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<sup>®</sup> 353ND, modified to allow for initial UV tacking. It is a higher thixotropy version of EPO-TEK<sup>®</sup> HYB-353ND.

**Typical Properties:** *Cure condition: Initial Tack 100mW/cm<sup>2</sup> 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):	Cloudy/Light Yellow		
* Consistency:	Pourable paste		
* Viscosity (23°C) @ 10 rpm:	17,000 - 35,000 cPs		
Thixotropic Index:	1.7		
* Glass Transition Temp:	≥ 90 °C (Dynamic Cure:20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min)		
Coefficient of Thermal Expansion (CTE):			
Below Tg:	63 x 10 <sup>-6</sup> in/in°C		
Above Tg:	179 x 10 <sup>-6</sup> in/in°C		
Shore D Hardness:	80		
Die Shear:	≥ 15 Kg	5,334	psi
Degradation Temp:	410 °C		
Weight Loss:	@ 200°C	0.05 %	
	@ 250°C	0.50 %	
	@ 300°C	1.50 %	
Suggested Operating Temperature:	< 350 °C (Intermittent)		
Storage Modulus:	524311 psi		
* Particle Size:	≤ 20 microns		

**OPTICAL PROPERTIES @ 23°C:**

Spectral Transmission:	≥ 50% @ 550 nm
	≥ 95% @ 1,100-1,600 nm
	≥ 98% @ 800-1,000 nm
Refractive Index (uncured):	1.5457 @ 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.**

EPOXY TECHNOLOGY, INC.

14 FORTUNE DRIVE, BILLERICA, MA 01821 (978) 667-3805, FAX (978) 663-9782

[www.epotek.com](http://www.epotek.com)