

Date: June 2026
No. of Components: Single
Specific Gravity: 1.16
Pot Life: 2 Hours
Shelf Life- Syringe: Six months at -40°C

Rev: III

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-HV 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 higher 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) @ 10 rpm:	9,000 - 20,000 cPs
* Glass Transition Temp:	≥ 100 °C (Dynamic Cure:20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min)
Coefficient of Thermal Expansion (CTE):	
Below Tg:	48 x 10 ⁻⁶ in/in°C
Above Tg:	143 x 10 ⁻⁶ in/in°C
Shore D Hardness:	80
Die Shear:	≥ 25 Kg 8,890 psi
Degradation Temp:	388 °C
Weight Loss:	@ 200°C 0.03 %
	@ 250°C 0.65 %
	@ 300°C 1.83 %
Suggested Operating Temperature:	< 300 °C (Intermittent)
Storage Modulus:	440,050 psi

OPTICAL PROPERTIES @ 23°C:

Spectral Transmission:	≥ 50% @ 550 nm
	≥ 95% @ 1,100-1,600 nm
	≥ 98% @ 800-1,000 nm
Refractive Index (uncured):	1.5545 @ 589 nm

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