



**Manufacturer:**  
Epoxy Technology

**Product Name:**  
EPO-TEK® 354-2 High Temperature Epoxy, Heat Cure (4g)

**Manufacturer Part Number:**  
ET354-2-4G



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## Product Information Sheet

### EPO-TEK® 354-2

**Date:** May 2025  
**Rev:** II  
**No. of Components:** Two  
**Mix Ratio by Weight:** 10 : 1  
**Specific Gravity:** Part A: 1.20 Part B: 1.18  
**Pot Life:** 3 Days  
**Shelf Life- Bulk:** One year at room temperature

**Recommended Cure: 150°C / 1 Hour**

**Minimum Alternative Cure(s):**  
*May not achieve performance properties listed below*  
150°C / 10 Minutes  
120°C / 30 Minutes  
80°C / 2 Hours

#### NOTES:

- Container(s) should be kept closed when not in use.
- Filled systems should be stirred thoroughly before mixing and prior to use.
- 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.
- Syringe packaging will impact initial viscosity and effective pot life, potentially beyond stated parameters.
- **TOTAL MASS SHOULD NOT EXCEED 25 GRAMS**

**Product Description:** EPO-TEK® 354-2 is a two component, high Tg epoxy designed for semiconductor packaging in medical, fiber optic and optoelectronic assemblies. It is an electrically and thermally insulating epoxy. It is a replacement for EPO-TEK® 354.

**Typical Properties:** Cure condition: varies as required Different batches, conditions & applications yield differing results.

Data below is not guaranteed. To be used as a guide only, not as a specification.

Information is Preliminary While Specifications Are Being Developed.

PHYSICAL PROPERTIES:			
Color (before cure):	Part A: Clear/Colorless	Part B: Dark Amber	
Consistency:	Pourable liquid		
Viscosity (23°C) @ 20 rpm:	7,415	cPs	
Thixotropic Index:	N/A		
Glass Transition Temp:	123	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)	
Coefficient of Thermal Expansion (CTE):			
Below Tg:	80.8	x 10 <sup>-6</sup> in/in°C	
Above Tg:	297.4	x 10 <sup>-6</sup> in/in°C	
Shore D Hardness:	83		
Die Shear @ 23°C:		Kg	psi
Degradation Temp:	430	°C	
Weight Loss:			
@ 200°C:	0.05	%	
@ 250°C:	0.10	%	
@ 300°C:	0.20	%	
Suggested Operating Temperature:	<300	°C (Intermittent)	
Storage Modulus:	259762.6	psi	
Particle Size:	N/A		
OPTICAL PROPERTIES @ 23°C:			
Spectral Transmission:	>95% @ 600-2100	nm	
Refractive Index:	1.5759	nm	

This information is based on data and tests believed to be accurate. Epoxy Technology, Inc. makes no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with any use of this product.

**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.