



## EPO-TEK® MED-320 Technical Data Sheet For Reference Only Biocompatible/Opaque Epoxy ISO 10993-5 Tested/Compliant

Date:April 2018Rev:IINo. of Components:TwoMix Ratio by Weight:10 : 2Specific Gravity:Part A: 1.10Pot Life:1 HourShelf Life- Bulk:One year at room temperature

## Biocompatible Certified Cure: 65°C / 1 Hour

Alternative cures are possible, but no certification or testing has been done to support them. Contact techserv@epotek.com with questions.

## 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® MED-320 is a black, biocompatible, thixototropic, low temperature curing, optically opaque epoxy for fiber optics, camera and photonic packaging, often used in bonding/potting/sealing of optics used in various medical imaging electronics.

## **Typical Properties:** Cure condition: 65°C / 1 Hour Different batches, conditions & applications yield differing results. Data below is not guaranteed. To be used as a guide only, not as a specification. \* denotes test on lot acceptance basis

PHYSIC	AL PRO	OPERTI	ES:

Part A: Black	Part B: Clear/Colorless			
Slightly thixotropic paste				
700 - 1,200				
5.8				
≥ 55	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)			
57	x 10 <sup>-6</sup> in/in°C			
149	x 10 <sup>-6</sup> in/in°C			
80				
> 2,000	psi			
≥ 15	Kg 5,334 psi			
339	C			
0.70	%			
1.27	%			
3.06	%			
< 275	°C (Intermittent)			
467,328	psi			
< 20	microns			
OPTICAL PROPERTIES @ 23°C:				
a @ 300-2500	nm			
N/A				
	Slightly thixot 700 - 1,200 5.8 ≥ 55 57 149 80 > 2,000 ≥ 15 339 0.70 1.27 3.06 < 275 467,328 < 20			

Epoxies and Adhesives for Demanding Applications™ 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. EPOXY TECHNOLOGY, INC. 14 FORTUNE DRIVE, BILLERICA, MA 01821 (978) 667-3805, FAX (978) 663-9782 www.epotek.com