

**Date:** February 2021  
**Rev:** IX  
**No. of Components:** Single  
**Mix Ratio by Weight:** N/A  
**Specific Gravity:** 1.09  
**Pot Life:** 5 Hours  
**Shelf Life- Syringe:** Six months at -40°C

**Recommended Cure: 80°C / 3 Hours**

**Minimum Alternative Cure(s):**  
*May not achieve performance properties listed below*  
 23°C / 72 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.

**Product Description:** EPO-TEK® 301-2FL-T is a single component, optical grade, flexible epoxy resin. It is a thixotropic version of EPO-TEK® 301-2FL.

**Typical Properties:** Cure condition: 80°C / 3 Hours    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

PHYSICAL PROPERTIES:			
* Color (before cure):	Cloudy/colorless		
* Consistency:	Slightly thixotropic liquid		
* Viscosity (23°C) @ 100 rpm:	300 - 600	cPs	
Thixotropic Index:	3.2		
* Glass Transition Temp:	≥ 40	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)	
Shore D Hardness:	70		
Die Shear @ 23°C:	≥ 5	Kg	1,778 psi
Degradation Temp:	336	°C	
Weight Loss:			
	@ 200°C:	0.84	%
	@ 250°C:	1.24	%
	@ 300°C:	3.26	%
Suggested Operating Temperature:	< 250	°C (Intermittent)	
* Particle Size:	≤ 20	microns	

OPTICAL PROPERTIES @ 23°C:			
Spectral Transmission:	≥ 97%	@ 380-2100	nm
Refractive Index:	1.5086	@589	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.**

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