

Date: May 2026
Rev: I
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity:
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-NC is a single component, optical grade, flexible epoxy resin. It is a thixotropic version of EPO-TEK® 301-2FL, and a non-crystallizing version of 301-2FL-T.

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:	535	cPs	
Thixotropic Index:	2.2		
Glass Transition Temp:	45	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)	
Shore D Hardness:			
Die Shear @ 23°C:	15	Kg	
Degradation Temp:	367	°C	
Weight Loss:			
	@ 200°C:	0.91	%
	@ 250°C:	1.10	%
	@ 300°C:	1.51	%
Suggested Operating Temperature:	< 250	°C (Intermittent)	
* Particle Size:	≤ 20	microns	

OPTICAL PROPERTIES @ 23°C:			
Spectral Transmission:	≥ 95%	@ 520-1680	nm
Refractive Index:	1.5137	@ 589	nm

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.

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