



Preliminary Product Information Sheet

EPO-TEK® 301-2FL-CX (formerly 100-167-5)

Note: These are typical properties to be used as a guide only, not a specification. Data below is not guaranteed. Different batches, conditions and applications yield differing results.

Date: September 2017
Rev: III
No. of Components: Two
Mix Ratio by Weight: 100 : 44
Specific Gravity: Part A: 1.15 Part B: 0.95
Pot Life: 3 Hours
Shelf Life- Bulk: One year at room temperature

Recommended Cure: 80°C / 3 Hours
 Minimum Alternative Cure(s):
May not achieve performance properties listed below
 23°C / 3 Days

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.

Product Description: A two component epoxy featuring very low viscosity and excellent optical-mechanical properties. It is a low index version of EPO-TEK® 301-2FL.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:		Cure condition: 80°C / 3 Hours	
Color (before cure):		Part A: Clear/Colorless	Part B: Clear/Colorless
Consistency:		Pourable liquid	
Viscosity (23°C) @ 100 rpm:		115	cPs
Thixotropic Index:		N/A	
Glass Transition Temp:		50	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:		70	
Die Shear @ 23°C:		16	Kg
Degradation Temp:		314	°C
Weight Loss:			
	@ 200°C:	0.06	%
	@ 250°C:	0.17	%
	@ 300°C:	2.88	%
Suggested Operating Temperature:		< 250	°C (Intermittent)
Particle Size:		N/A	
OPTICAL PROPERTIES @ 23°C:			
Refractive Index:		1.4876 @ 589	nm

The data above is INITIAL only - it may be changed at any time, for any reason without notice to anyone. It is provided only as a guide for evaluation/consideration.

* These material characteristics are typical properties that are based on a limited number of samples/batches. All properties are based on the cure indicated above. Some properties may vary as manufactured quantities are scaled up to commercialized production levels.