



Preliminary Product Information Sheet

EPO-TEK® 302-3M-R (formerly 115-133-3)

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: VII
No. of Components: Two
Mix Ratio by Weight: 100 : 33
Specific Gravity: Part A: 1.20 Part B: 0.98
Pot Life: 2 Hours
Shelf Life- Bulk: One year at room temperature

Recommended Cure: 80°C / 1 Hour

Minimum Alternative Cure(s):
May not achieve performance properties listed below
65°C / 3 Hours
23°C / 24 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: A version of EPO-TEK® 302-3M designed to meet European regulatory requirements. It is a two component epoxy used for optical, fiber optic, and semiconductor applications. The epoxy is good for adhesive joining, sealing, potting, or as a coating.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:	Cure condition: varies as required	
Color (before cure):	Part A: Clear, slightly yellow	Part B: Clear, yellow/orange
Consistency:	Pourable liquid	
Viscosity (23°C) @ 100 rpm:	592	cPs
Thixotropic Index:	N/A	
Glass Transition Temp:	61	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:	83	
Die Shear @ 23°C:	24	Kg
Degradation Temp:	364	°C
Weight Loss:		
	@ 200°C:	0.15 %
	@ 250°C:	0.44 %
	@ 300°C:	1.64 %
Suggested Operating Temperature:	< 300 °C (Intermittent)	

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	≥ 98% @ 460-1620	nm
Refractive Index:	1.5442 @ 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.