



## Preliminary Product Information Sheet

### EPO-TEK® GL2154 (formerly 86-154)

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:** 1 : 1  
**Specific Gravity:** Part A: 1.21 Part B: 0.97  
**Pot Life:** 1 Hour  
**Shelf Life- Bulk:** Six months at room temperature

**Recommended Cure: 80°C / 2 Hours**

Minimum Alternative Cure(s):  
*May not achieve performance properties listed below*  
 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.

**Product Description:** White, medium viscosity epoxy. Replacement for EPO-TEK® GE117.

#### MATERIAL CHARACTERISTICS\*:

PHYSICAL PROPERTIES:	Cure condition: 80°C / 2 Hours	
Color (before cure):	Part A: White	Part B: Yellow/Clear
Consistency:	Viscous liquid	
Viscosity (23°C) @ 20 rpm:	10,811	cPs
Glass Transition Temp:	55	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:	76	
Die Shear @ 23°C:	16	Kg
Degradation Temp:	351	°C
Weight Loss:		
	@ 200°C:	1.23 %
	@ 250°C:	1.71 %
	@ 300°C:	3.25 %
Suggested Operating Temperature:	< 300 °C (Intermittent)	

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.