



Preliminary Product Information Sheet

EPO-TEK® H20E-PFC-T (formerly 111-16-2)

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 2019
Rev: I
No. of Components: Two
Mix Ratio by Weight: 1 : 1
Specific Gravity: Part A: 3.09 Part B: 4.45
Pot Life: 3 Days
Shelf Life- Bulk: One year at room temperature

Recommended Cure: 150°C/1 Hour

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: A two component, semiconductor grade epoxy.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:	Cure condition: 150°C / 1 Hour	
Color (before cure):	Part A: Silver	Part B: Silver
Consistency:	Smooth thixotropic paste	
Viscosity (23°C) @ 50 rpm:	7,373	cPs
Thixotropic Index:	6.9	
Glass Transition Temp:	92	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:	52	
Die Shear @ 23°C:	10	Kg
Degradation Temp:	391	°C
Weight Loss:		
	@ 200°C:	0.02 %
	@ 250°C:	0.18 %
	@ 300°C:	0.59 %
Suggested Operating Temperature:	< 325 °C (Intermittent)	
Particle Size:	≤ 20 microns	

ELECTRICAL AND THERMAL PROPERTIES:		
Volume Resistivity @ 23°C:	≤ 0.0004	Ohm-cm

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.