



Preliminary Product Information Sheet

EPO-TEK® P1011T

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: June 2020
Rev: V
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 3.29
Pot Life: 28 Days
Shelf Life- Bulk: Six months refrigerated

Recommended Cure: B-Stage: 80°C/30 Minutes
Cure: 150°C/1 Hour
Post Cure: 285°C/90 Minutes

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: Electrically conductive, modified polyimide adhesive designed for die-attach of semiconductors and hybrid IC packaging. It is a more viscous version of EPO-TEK® P1011.

MATERIAL CHARACTERISTICS*:

PHYSICAL PROPERTIES:		Cure condition: B-Stage: 80°C/30 Minutes - Cure: 150°C/1 Hour - Post Cure: 285°C/90 Minutes	
Color (before cure):		Silver	
Consistency:		Smooth thixotropic paste	
Viscosity (23°C) @ 5 rpm:		39,150	cPs
Thixotropic Index:		2.9	
Glass Transition Temp:		Not detected	
Die Shear @ 23°C:		3.5	Kg
Degradation Temp:		341	°C
Weight Loss:			
	@ 200°C:	< 0.05	%
	@ 250°C:	< 0.05	%
	@ 300°C:	0.07	%
Suggested Operating Temperature:		< 275	°C (Intermittent)
Particle Size:		≤ 20	microns

ELECTRICAL AND THERMAL PROPERTIES:		
Volume Resistivity @ 23°C:	0.00013	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.