



Product Information Sheet

EPO-TEK® B13181

Date: June 2025
Rev: II
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 1.46
Pot Life: 28 Days
Shelf Life- Bulk: One year @ -40°C

Recommended Cure: B-stage cure: 80°C/30 Minutes
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 single component, thermally conductive, low-halogen, B-Stage Epoxy Paste

Typical Properties: Cure condition: B-stage cure: 80°C/30 Minutes - Cure: 150°C/1 Hour Data below is not guaranteed.

Different batches, conditions & applications yield differing results. To be used as a guide only, not as a specification.

* denotes test on lot acceptance basis

PHYSICAL PROPERTIES:

Color (before cure):	Gray
Consistency:	Smooth, slightly thixotropic paste
Viscosity (23°C) @ 1 rpm:	40,960 cPs
Thixotropic Index:	1.5
Glass Transition Temp:	123 °C
Die Shear @ 23°C:	28 Kg (ceramic die on glass)
Die Shear @ 23°C:	25 Kg (ceramic die on Kovar)
Degradation Temp:	391 °C
Weight Loss:	
@ 200°C:	0.82 %
@ 250°C:	1.75 %
@ 300°C:	3.45 %
Suggested Operating Temperature:	< 250 °C (Intermittent)
Particle Size:	≤ 20 microns

ELECTRICAL AND THERMAL PROPERTIES:

Thermal Conductivity:	TBD W/mK
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This information is based on data and tests believed to be accurate. Epoxy Technology, Inc. makes no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with any use of this product.

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