



Product Information Sheet

EPO-TEK® OG198-56

Date: September 2017
Rev: II
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 1.15
Pot Life: N/A
Shelf Life- Bulk: One year refrigerated

Recommended Cure: 100mW/cm² @ 240-365 for > 2 minutes,
depending on thickness- under an F-type Mercury lamp

Post Cure: 150°C / 1 Hour to cure shadowed areas

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: Single component, thixotropic, high Tg, UV and shadow curable epoxy. Common applications include aligning optics, securing fibers into V-groove, lighting and fiber pigtailed. It is suitable for hybrids, medical and semiconductor device assembly. It is an enhanced adhesive strength and wetting version of EPO-TEK® OG198-55.

Typical Properties: Cure condition: varies as required Different batches, conditions & applications yield differing results.

Data below is not guaranteed. To be used as a guide only, not as a specification. * denotes test on lot acceptance basis

PHYSICAL PROPERTIES:

| | |
|----------------------------------|--|
| * Color (before cure): | Cloudy |
| * Consistency: | Smooth thixotropic paste |
| * Viscosity (23°C) @ 100 rpm: | 1,200 - 2,000 cPs |
| Thixotropic Index: | 5.6 |
| * Glass Transition Temp: | ≥ 120 °C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min) |
| Shore D Hardness: | 85 |
| Die Shear @ 23°C: | ≥ 20 Kg 7,112 psi |
| Degradation Temp: | 354 °C |
| Weight Loss: | |
| @ 200°C: | 0.23 % |
| @ 250°C: | 0.73 % |
| @ 300°C: | 2.13 % |
| Suggested Operating Temperature: | < 300 °C (Intermittent) |
| * Particle Size: | ≤ 20 microns |

OPTICAL PROPERTIES @ 23°C:

| | |
|-----------------------------|---------------------|
| Spectral Transmission: | ≥ 97% @ 560-1680 nm |
| Refractive Index (uncured): | 1.502 @589 nm |

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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