

Date: Aug 2014
Rev: VII
No. of Components: Single
Specific Gravity: 1.15
Pot Life: N/A
Shelf Life: One year refrigerated

Recommended Cure:
 100mW/cm² @ 240-365nm for > 2 minutes,
 - depending on thickness -
 under an F-type Mercury lamp
 Optional: 150°C /1 Hour to cure shadowed areas

NOTE: Container(s) should be kept closed when not in use. Filled systems should be stirred thoroughly before mixing and prior to use.

Product Description: EPO-TEK[®] OG198-55 is a high viscosity, single component, electrically and thermally insulating, clear UV cure epoxy. It is the more thixotropic version of EPO-TEK[®] OG198-54.

Typical Properties:

*To be used as a guide only, not as a specification. Different batches, conditions & applications yield differing results.
 Cure condition: varies as required * denotes test on lot acceptance basis Data below is not guaranteed.*

PHYSICAL PROPERTIES:	
* Color (before cure):	Cloudy
* Consistency	Smooth thixotropic paste
* Viscosity (23°C): @ 100 rpm	1,200 - 2,000 cPs
Thixotropic Index:	6.0
* Glass Transition Temp:	≥ 120 °C (Dynamic Cure:20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min)
Coefficient of Thermal Expansion (CTE):	
Below Tg:	72 x 10 ⁻⁶ in/in°C
Above Tg:	120 x 10 ⁻⁶ in/in°C
Shore D Hardness:	85
Die Shear @ 23°C:	≥ 20 Kg 6,800 psi
Degradation Temp:	354 °C
Weight Loss:	
@ 200°C	0.23 %
@ 250°C	0.73 %
@ 300°C	2.13 %
OperatingTemp: : Continuous:	- 55°C to 200°C
Intermittent:	- 55°C to 300°C
Storage Modulus:	489,872 psi
* Particle Size:	≤ 20 microns

OPTICAL PROPERTIES @ 23°C:	
Spectral Transmission:	≥ 97% @ 560 - 1,680 nm
Refractive Index (uncured):	1.5023 @ 589 nm
Refractive Index (cured):	1.5196 @ 589 nm

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