Product Information Sheet

EPO-TEK® OG198-763 (formerly 123-76-3)

Date: April 2020 **Rev:** III

Material Description: EPO-TEK® OG198-763 is a medium viscosity, single component, electrically and thermally insulating, translucent UV cure epoxy. It is an intermediate rheology between EPO-TEK® OG198-54 and OG198-55.

Number of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 1.13
Pot Life: N/A
Shelf Life- Bulk: One year refrigerated

Recommended Cure	
Iron-Doped Mercury Flood Lamp *100 mW/cm² @ 240-365 nm*	**> 30 sec.**
Alternative Cures*	
Iron-Doped Mercury Spot Lamp	> 30 sec.
365nm LED Flood Lamp	> 30 sec.
Pulsed Mercury Lamp	> 30 sec.

UV Cure is complete after 24 hours from UV Exposure

* Contact Technical Services for application-specific variations

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) may vary from those stated below when syringe packaging and/or post-processing is required.
- Thermal post-cure beneficial- contact techserv@epotek.com for recommendations.

MATERIAL CHARACTERISTICS: *Cure condition: Varies as required *Testing on lot acceptance basis Data below is not guaranteed. To be used as a guide only, not as a specification. Different batches, conditions and applications yield differing results.*

PHYSICAL PROPERTIES:			
* **Color (before cure):**		Translucent	
* **Consistency:**		Smooth thixotropic paste	
* **Viscosity (23°C) @ 100 rpm:**		250 - 800	cPs
Thixotropic Index:		3.0	
* **Glass Transition Temp:**		≥ 125	°C (Dynamic Cure:20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min)
Shore D Hardness:		86	
Lap Shear @ 23°C:		N/A	
Degradation Temp:		359	°C
Weight Loss:	**@ 200°C**	0.38	**%**
	@ 250°C	0.93	**%**
	@ 300°C	2.42	**%**
Suggested Operating Temperature:		< 300	°C (Intermittent)
* **Particle Size:**		≤ 20	microns

OPTICAL PROPERTIES @ 23°C:		
Spectral Transmission:	≥ 90% @ 500-2440	nm
Refractive Index:	1.5031 @ 589	nm

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