



Manufacturer:
Epoxy Technology

Product Name:
EPO-TEK® OG603 Low Viscosity Epoxy, UV Cure (3cc Syringe)

Manufacturer Part Number:
OG603-3CC

▶ Click here for more details on the EPO-TEK® OG603 Low Viscosity Epoxy, UV Cure (3cc Syringe)



Product Information Sheet
EPO-TEK® OG603

Date: September 2017
Rev: V
No. of Components: Single
Mix Ratio by Weight: N/A
Specific Gravity: 1.08
Pot Life: N/A
Shelf Life- Bulk: One year at room temperature

Recommended Cure: 100mW/cm2 @ 240-365 nm for > 5 seconds, depending on thickness - under an F-type Mercury lamp

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, low viscosity, UV curable adhesive designed for curing in seconds. It is an all-purpose, general adhesive for optical applications including fiber optic components, DVD, medical, and PCB level electro-optics. It can also be used for sealing and coating applications.

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):	Clear/colorless		
* Consistency:	Pourable liquid		
* Viscosity (23°C) @ 100 rpm:	150 - 250	cPs	
Thixotropic Index:	N/A		
* Glass Transition Temp:	≥ 70	°C (Post-Cure Dynamic Scan: 20-200°C; Ramp -10-200°C @ 20°C/Min)	
Coefficient of Thermal Expansion (CTE):			
	Below Tg:	69	x 10 ⁻⁶ in/in°C
	Above Tg:	170	x 10 ⁻⁶ in/in°C
Shore D Hardness:		84	
Lap Shear @ 23°C:		N/A	
Die Shear @ 23°C:		≥ 3	Kg 1,067 psi
Degradation Temp:		385	°C
Weight Loss:			
	@ 200°C:	0.79	%
	@ 250°C:	1.20	%
	@ 300°C:	1.90	%
Suggested Operating Temperature:		< 300	°C (Intermittent)
Storage Modulus:		250,734	psi
* Particle Size:		N/A	
OPTICAL PROPERTIES @ 23°C:			
Spectral Transmission:		≥ 98% @ 420-1600	nm
Refractive Index (uncured):		1.4734 @589	nm
Refractive Index (cured):		1.5037 @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.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.