



Preliminary Product Information Sheet

*(Note: These are typical properties to be used as a guide only, not a specification. Data below is not guaranteed.
Different batches, conditions and applications yield differing results.)*

MATERIAL ID: EPO-TEK® OG146-178 (formerly 88-178)
Date: Sep 2013
Rev: X
Material Description: A fast UV cure epoxy with low viscosity
Number of Components: Single
Mix Ratio by Weight: N/A
Recommended Cure: 100mW/cm² @ 240-365 for 1 minute, depending on thickness
- under an F-type Mercury lamp
Specific Gravity: 1.08
Pot Life: N/A
Shelf Life: Six months refrigerated

NOTE: Container(s) should be kept closed when not in use. Filled systems should be stirred thoroughly before mixing and prior to use.
Thermal post-cure beneficial - contact techserv@epotek.com for recommendations.

MATERIAL CHARACTERISTICS: If product crystallizes in storage, place container in warm oven until crystallization disappears. Please refer to Tech Tip #7 on website.

PHYSICAL PROPERTIES:

Color (before cure):	Clear/Colorless
Consistency	Pourable liquid
Viscosity (23°C): @ 100 rpm	164 cPs
Glass Transition Temp:	82 °C
Shore D Hardness:	82
Die Shear @ 23°C:	5.5 Kg
Degradation Temp:	341 °C
Weight Loss:	
@ 200°C	0.38 %
@ 250°C	0.82 %
@ 300°C	2.94 %
Operating Temp:	
Continuous:	- 55°C to 175°C
Intermittent:	- 55°C to 275°C

OPTICAL PROPERTIES @ 23°C:

Spectral Transmission:	≥ 98% @ 440-1680 nm
Refractive Index (uncured):	1.5094 @ 589 nm
Refractive Index (cured):	1.5354 @ 589 nm

The data above is INITIAL only - it may be changed at anytime, for any reason without notice to anyone. It is provided only as a guide for evaluation/consideration.

*These material characteristics are typical properties that are based on a limited number of samples/batches. All properties are based on the cure indicated above. Some properties may vary as manufactured quantities are scaled up to commercialized production levels.