



## Preliminary Product Information Sheet

### **EPO-TEK® OD1607 (formerly 113-160-7)**

*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.*

**Date:** September 2017  
**Rev:** IV  
**No. of Components:** Single  
**Mix Ratio by Weight:** N/A  
**Specific Gravity:** 1.25  
**Pot Life:** > 5 Days  
**Shelf Life- Bulk:** Six months at -40°C

**Recommended Cure: 80°C / 10 Minutes**

Minimum Alternative Cure(s):  
*May not achieve performance properties listed below*  
80°C / 5 Minutes  
120°C / 1 Minute  
100°C / 1 Minute

#### **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.
- **TOTAL MASS SHOULD NOT EXCEED 25 GRAMS**

**Product Description:** A single component, high strength, low temperature cure epoxy with long pot life. It is designed for high volume production of heat sensitive electronic component packaging.

#### **MATERIAL CHARACTERISTICS\*:**

<b>PHYSICAL PROPERTIES:</b>	<b>Cure condition: 80°C / 10 Minutes</b>		
Color (before cure):	White		
Consistency:	Thixotropic paste		
Viscosity (23°C) @ 10 rpm:	20,050	cPs	
Thixotropic Index:	3.4		
Glass Transition Temp:	42	°C	(Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:	63		
Die Shear @ 23°C:	15	Kg	
Degradation Temp:	341	°C	
Weight Loss:			
	@ 200°C:	0.36	%
	@ 250°C:	0.68	%
	@ 300°C:	1.34	%
Suggested Operating Temperature:	< 275	°C	(Intermittent)
Particle Size:	≤ 20	microns	

**The data above is INITIAL only - it may be changed at any time, 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.