



## Preliminary Product Information Sheet

### **EPO-TEK® 323LP-T (formerly 98-12-1)**

*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.*

<b>Date:</b>	December 2017	<b>Recommended Cure:</b> 150°C / 1 Hour
<b>Rev:</b>	V	
<b>No. of Components:</b>	Two	Minimum Alternative Cure(s):
<b>Mix Ratio by Weight:</b>	10 : 1	<i>May not achieve performance properties listed below</i>
<b>Specific Gravity:</b>	Part A: 1.03      Part B: 1.09	90°C / 30 Minutes
<b>Pot Life:</b>	24 Hours	
<b>Shelf Life- Bulk:</b>	Six months at room temperature	

#### **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:** Higher viscosity version of EPO-TEK® 323LP.

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

<b>PHYSICAL PROPERTIES:</b>	<b>Cure condition: 150°C / 1 Hour</b>	
Color (before cure):	Part A: White	Part B: Clear/Yellow
Consistency:	Slightly thixotropic paste	
Viscosity (23°C) @ 10 rpm:	22,451	cPs
Thixotropic Index:	1.2	
Glass Transition Temp:	118	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Coefficient of Thermal Expansion (CTE):		
Below Tg:	54	x 10 <sup>-6</sup> in/in°C
Above Tg:	190	x 10 <sup>-6</sup> in/in°C
Shore D Hardness:	85	
Die Shear @ 23°C:	> 20	Kg
Degradation Temp:	419	°C
Weight Loss:		
@ 200°C:	< 0.05	%
@ 250°C:	0.18	%
@ 300°C:	0.66	%
Suggested Operating Temperature:	< 350	°C (Intermittent)
Storage Modulus:	483,950	psi
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.