



## Preliminary Product Information Sheet

### **EPO-TEK® 383ND-T-D (formerly 130-38-1)**

*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>	May 2020	<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: 1.24      Part B: 0.99	120°C / 30 Minutes
<b>Pot Life:</b>	8 Hours	
<b>Shelf Life- Bulk:</b>	One year at room temperature	
<b>Shelf Life- Syringe:</b>	One year at -40°C	

#### **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.
- Syringe packaging will impact initial viscosity and effective pot life, potentially beyond stated parameters.

**Product Description:** A two component, electrical and thermally insulating epoxy. Designed as a highly thixotropic version of EPO-TEK® 383ND.

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

<b>PHYSICAL PROPERTIES:</b>	<b>Cure condition: varies as required</b>	
Color (before cure):	Part A: Cloudy tan	Part B: Slightly yellow
Consistency:	Pourable liquid	
Viscosity (23°C) @ 20 rpm:	10,915	cPs
Thixotropic Index:	2.9	
Glass Transition Temp:	109	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)
Shore D Hardness:	82	
Die Shear @ 23°C:	≥ 10	Kg
Degradation Temp:	409	°C
Weight Loss:		
	@ 200°C:	0.05 %
	@ 250°C:	0.32 %
	@ 300°C:	0.93 %
Suggested Operating Temperature:	< 325	°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.