



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[®] 383ND
Date: 09/2009	Per: MMH
Rev: III	
Material Description:	A slightly longer pot life version of EPO-TEK [®] 353ND
Number of Components:	Two
Mix Ratio:	10:1
Cure Schedule (minimum)	90°C/30 Minutes
Specific Gravity:	--- Part A: 1.20 Part B: 0.99
Pot Life:	8 Hours
Shelf Life:	One year at room temperature

NOTE: Container(s) should be kept closed when not in use. Filled systems should be stirred thoroughly before mixing and prior to use.

MATERIAL CHARACTERISTICS: Cure Condition: 150°C/1 Hour

PHYSICAL PROPERTIES:			
Color (before cure):	Part A: Clear Part B: Slightly yellow	Die Shear @ 23°C:	>20 Kg
Consistency:	Pourable liquid	Degradation Temp:	415 °C
Viscosity (23°C): @ 50 rpm	4,423 cPs	Weight Loss:	
Thixotropic Index:		@ 200°C:	0.28 %
Glass Transition Temp:	110 °C	@ 250°C:	0.42 %
		@ 300°C:	0.86 %
Coefficient of Thermal Expansion (CTE):		Operating Temp:	
Below Tg:	34 x 10 ⁻⁶ in/in°C	Continuous:	- 55°C to + 200°C
Above Tg:	129 x 10 ⁻⁶ in/in°C	Intermittent:	- 55°C to + 300°C
Shore D Hardness:	88	Storage Modulus @ 23°C:	psi
Lap Shear @ 23°C:	> 2,000 psi	Particle Size:	< 20 microns

ELECTRICAL AND THERMAL PROPERTIES:			
Thermal Conductivity:	W/mK	Dielectric Constant (1KHz):	
Volume Resistivity @ 23°C:	Ohm-cm	Dissipation Factor (1KHz):	

OPTICAL PROPERTIES @ 23°C:	
Spectral Transmission:	> 90 % @ 520 - 1660 nm
Refractive Index (uncured):	1.5715 @ 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.

EPOXY TECHNOLOGY, INC.
14 FORTUNE DRIVE, BILLERICA, MA 01821 (978) 667-3805, FAX (978) 663-9782
WEB SITE: www.epotek.com