

## **Preliminary Product Information Sheet**

ong with a shiny silver appearance n e attach applications. Other benefits	naking it ideal s include low v	for the demanding requirements of high power LED viscosity and high thixotropy making it suitable for a
art A: 3.82 Part B: 3.88 Weeks	-cure) Dry Time:	< 1 Day
	ong with a shiny silver appearance me attach applications. Other benefits ide range of application techniques. wo : 1 00°C/30 Minutes 50°C/1 Hour + 200°C/1 Hour (post art A: 3.82 Part B: 3.88	e attach applications. Other benefits include low weight in the include low weight is a two control of the incl

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:**

PHYSCIAL PROPERTIES:					
Color (before cure):	Part A: Silver Part B: Silver				
Consistency	Smooth thixotropic paste				
Viscosity (23°C): @ 100 rpm	1,686 <b>cPs</b>				
Thixotropic Index:	3.6				
<b>Glass Transition Temp:</b>	104 ° <b>C</b>				
Coefficient of Thermal Expansion (CTE):					
Below Tg:	38 x 10 <sup>-6</sup> in/in°C				
Above Tg:	94 x 10 <sup>-6</sup> in/in°C				
Shore D Hardness:	66				
Lap Shear @ 23°C:	1,010 <b>psi</b>				
Die Shear @ 23°C - initial	>10 Kg		3,400 <b>psi</b>		
Die Shear @ 23°C - after 1000 hrs	85C/85%R >5 $Kg$		1,700 <b>psi</b>		
Degradation Temp:	357 ° <b>C</b>				
Weight Loss:					
@ 200°C	0.19 %				
@ 250°C	0.94 %				
@ 300°C	1.70 %				
<b>Operating Temp:</b>					
Continuous:	- 55°C to	200 ° <b>C</b>			
Intermittent:	- 55°C to	300 ° <b>C</b>			
Storage Modulus:	273,528 <b>psi</b>				
Ion Content:					
Cl:	< 10 <b>ppm</b>		$NA^+$ :	2 <b>ppm</b>	
$\mathbf{NH_4}^+$ :	6 <b>ppm</b>		<b>K</b> <sup>+</sup> :	0 <b>ppm</b>	
Particle Size:	$\leq$ 45 micron	ıs			
ELECTRICAL AND THERMAL PROPER	DAIDS.				
Thermal Conductivity (150°C/			12.6 <b>W/mK</b>		
Thermal Conductivity (150°C/			26.3		
Volume Resistivity:			≤ 0.00009 <b>Ohm-cm</b>		
<b>OPTICAL PROPERTIES @ 23°C:</b>					
Spectral Transmission:	N/A				
Index of Refraction:	N/A				

This information is based on data and tests believed to be accurate. Epoxy Technology, Inc. makes no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with any use of this product.

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