

ABLEBOND® 84-1LMI NB

Internet Address:
www.emersoncuming.com

Electrically Conductive Epoxy Adhesive

TYPICAL PROPERTIES	TEST METHOD	DESCRIPTION
<p>Viscosity @ 25°C: 60,000 cps</p> <p>Filler: Silver</p> <p>Work Life @ 25°C: 3 days</p> <p>Cure Condition: 1/2 hour @ 150°C</p>	<p>PT-42</p> <p>PT-54</p>	<p>Ablebond® 84-1LMI NB adhesive is an improved version of Ablebond® 84-1LMI silver filled, high purity die attach adhesive.</p>
<p>Die Shear Strength (80 mil² IC) @ 25°C: 3,500 psi</p> <p>Volume Resistivity: 0.00009 ohm-cm</p> <p>Ionic Data Chloride: 80 ppm Sodium: 25 ppm Potassium: 5 ppm</p>	<p>MT-4</p> <p>PT-46</p> <p>CT-13</p>	
<p>Water Extract Conductivity: 15 µmhos/cm pH: 4.4</p>	<p>CT-6</p>	<p>Ablebond® 84-1LMI NB adhesive is ideal for application by automatic dispenser, screening, or hand probe.</p>
<p>Glass Transition Temperature (Tg): 117°C</p> <p>Coefficient of Thermal Expansion Below Tg: 52 ppm/°C Above Tg: 150 ppm/°C</p>	<p>MT-9</p> <p>MT-9</p>	
<p>Thermal Conductivity @ 121°C: 2.6 BTU ft⁻¹hr⁻¹F⁻¹</p> <p>Storage Life @ -10°C: 6 months @ -40°C: 1 year</p>	<p>PT-40</p> <p>PT-13</p>	

The figures shown above are typical values only. If you need to write a specification, please request our current Standard Release Specification.

07/03

INSTRUCTIONS

Apply adhesive as required. Assemble bonds. Cure at the recommended cure schedule(s).

AVAILABILITY

This adhesive is available in a variety of package sizes, ranging from 1cc to 1 pound.

STORAGE

Ablebond® 84-1L MI NB adhesive may be stored up to 6 months at -10°C , or 1 year at -40°C .

HEALTH AND SAFETY

CAUTION This product may cause skin irritation in sensitive persons. Avoid skin contact. If contact does occur, wash area immediately with soap and water. Please refer to Material Safety Data Sheet (OSHA) for more details.

"In the event this product is intended by you for use in implantation in the human body, you are hereby advised that National Starch (or Emerson & Cuming) has not performed clinical testing of these materials for implantation in the human body nor has National Starch (Emerson & Cuming) sought, nor received, approval from the FDA for the use of these material in implantation in the human body. It is YOUR responsibility, as a manufacturer of any such device, to ensure that all materials and processes relating to the manufacture of any medical device fully comply with all applicable federal, state and local laws, rules, regulations and requirements as well as any such laws, rules, regulations, directives or other orders of any foreign country where such product is sold. If you have not undertaken the necessary investigations to ensure compliance you are advised NOT TO USE this product in the manufacture of any device which is to be implanted in the human body. No representative of ours has any authority to change the foregoing provisions."

■ Underfills Solder Alternatives C.O.B. Materials
 Film Adhesives Thermal Interfaces ■



■ Encapsulants Coatings Adhesives
 Electrically Conductive Coatings and Adhesives ■

■ Europe
 Nijverheidsstraat 7
 B-2260 Westerlo
 Belgium
 ☎ : +(32)-(0) 14 57 56 11
 Fax: +(32)-(0) 14 58 55 30

■ North America
 46 Manning Road
 Billerica, MA 01821
 ☎ : 978-436-9700
 Fax : 978-436-9701

■ Asia-Pacific
 100 Kaneda, Atsugi-shi
 Kanagawa-ken, 243-0807
 Japan
 ☎ : (81) 46-225-8815
 Fax : (81) 46-222-1347