

LOCTITE ABLESTIK 8260LV

August 2012

PRODUCT DESCRIPTION

LOCTITE ABLESTIK 8260LV provides the following product characteristics:

Technology	Epoxy
Appearance	Silver
Cure	Heat cure
Product Benefits	• One component • Electrically conductive • Low viscosity • Screen printable • Syringe dispensable
Application	Electrically Conductive Adhesive
Filler Type	Silver

LOCTITE ABLESTIK 8260LV adhesive is designed for surface mount component attach applications. It is designed for high speed, in-line production processing. This adhesive is a low viscosity version of ABLEBOND 8260 adhesive.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Thixotropic Index (0.5/5 rpm)	≥3.5
Viscosity, Brookfield CP51, 25 °C, mPa·s (cP):	
Speed 5 rpm	18,000
Work Life @ 25°C, hours	24
Shelf Life @ -40°C, days	365
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE Cure Schedule

3 minutes @ 150°C

Alternate Cure Schedule

5 minutes @ 130°C

Weight Loss on Cure

10 x 10 mm Si die on glass slide, % <2.0

The above cure profiles are guideline recommendations. Cure conditions (time and temperature) may vary based on customers' experience and their application requirements, as well as customer curing equipment, oven loading and actual oven temperatures.

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties :

Extractable Ionic Content, , ppm:

Chloride (Cl-)	≤25
Sodium (Na+)	≤10
Potassium (K+)	≤10

Electrical Properties:

Volume Resistivity 4-point probe, ohms-cm 0.0006

TYPICAL PERFORMANCE OF CURED MATERIAL

Die Shear Strength @ 25°C:

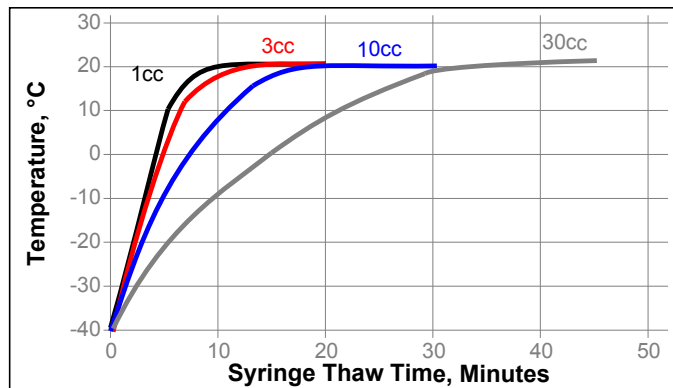
2 X 2 mm (80 x 80 mil) Si die on Ag/Cu LF, Kg 5.8

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

THAWING:

1. Allow container to reach room temperature before use.
2. After removing from the freezer, set the syringes to stand vertically while thawing.
3. DO NOT open the container before contents reach 22°C temperature. Any moisture that collects on the thawed container should be removed prior to opening the container.
4. DO NOT re-freeze. Once thawed to 22°C, the adhesive should not be re-frozen.
5. Refer to the Syringe Thaw time chart for the thaw time recommendation.



DIRECTIONS FOR USE

1. Thawed adhesive should immediately be placed on dispense equipment for use.
2. If the adhesive is transferred to a final dispensing reservoir, care must be exercised to avoid entrapment of contaminants and/or air into the adhesive.
3. Adhesive must be completely used within the product's recommended work life.
4. Apply enough adhesive to achieve a 25 to 50 µm wet bondline thickness, dispensed with approximately 25 to 50 % filleting on all sides of the die.
5. Star or crossed shaped dispense patterns will yield fewer bondline voids than the matrix style of dispense pattern.
6. This material can be applied by syringe or screen printing applications.
7. Cure at one of the recommended cure schedules.

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

STORAGE:

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage : -40 °C

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{psi} \times 145 = \text{N/mm}^2$
 $\text{MPa} = \text{N/mm}^2$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

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