

# LOCTITE ABLESTIK ABP 2056AA

March 2022

**PRODUCT DESCRIPTION**

LOCTITE ABLESTIK ABP 2056AA provides the following product characteristics:

<b>Technology</b>	Epoxy
<b>Appearance</b>	Red
<b>Product Benefits</b>	<ul style="list-style-type: none"><li>• Fast cure</li><li>• Excellent adhesion</li><li>• Snap curable</li><li>• Non-conductive</li></ul>
<b>Cure</b>	Heat cure
<b>Application</b>	Electronic Material, Semiconductor Pastes, Non-conductive die attach paste
<b>Typical Applications</b>	Camera module assembly

LOCTITE ABLESTIK ABP 2056AA is a one part, non-conductive adhesive formulated to provide excellent adhesion on a wide range of materials. This material is fast curable, making it ideal for high throughput bonding processes.

**TYPICAL PROPERTIES OF UNCURED MATERIAL**

Viscosity, Brookfield CP51, 25 °C, mPa·s (cP):	
Speed 5 rpm	8,000
Thixotropic Index (0.5/5 rpm)	4.3
Work Life @ 25°C, days	3
Shelf Life @ -20°C (from date of manufacture), days	365

**TYPICAL CURING PERFORMANCE****Recommended Snap Cure Schedule**

2 minutes @ 120°C

The above cure profile(s) are guideline recommendation(s). These conditions (time and temperature) may vary based on customers' experience and specific application requirements, as well as customer curing equipment, oven loading and actual oven temperatures.

**TYPICAL PROPERTIES OF CURED MATERIAL**

Sample cured 2 minutes @ 120°C

**Physical Properties**

Hardness, Shore D	44.5
Volume Shrinkage, %	0.97

**Adhesion Properties**

Die Shear Strength, kg-f:

120 x 120 mil on Ni finished LF:

@ RT	11.7
@ 180°C	0.87

**GENERAL INFORMATION**

Please consult the Safety Data Sheet (SDS) for safe handling information of this product.

**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 25 °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 25°C, the adhesive should not be re-frozen.

**DIRECTIONS FOR USE**

1. Complete cleaning of the substrate should be performed to remove contamination such as dust, salt and oils which can cause poor adhesion or corrosion in a bonded part..
2. Thawed material should immediately be placed on dispense equipment for use.
3. 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.
4. Adhesive must be completely used within the product's recommended work life.
5. Apply adhesive to all surfaces to be bonded and join together.

**STORAGE**

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

**Optimal Storage: -20 °C. Storage below minus -20°C or above -20°C can adversely affect product properties.**

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 Henkel



Representative.

### Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local Henkel representative for assistance and recommendations on the specifications of this product.

### Conversions

$$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$$

$$\text{kV/mm} \times 25.4 = \text{V/mil}$$

$$\text{mm} / 25.4 = \text{inches}$$

$$\text{N} \times 0.225 = \text{lb/F}$$

$$\text{N/mm} \times 5.71 = \text{lb/in}$$

$$\text{N/mm}^2 \times 145 = \text{psi}$$

$$\text{N/mm}^2 = \text{MPa}$$

$$\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$$

$$\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$$

$$\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$$

$$\text{mPa}\cdot\text{s} = \text{cP}$$

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### Reference 1