

LOCTITE ABLESTIK 5662

April 2014

PRODUCT DESCRIPTION

LOCTITE ABLESTIK 5662 provides the following product characteristics:

Technology	Epoxy Film
Appearance	Transparent yellow
Cure	Heat cure
Product Benefits	<ul style="list-style-type: none"> Low temperature cure
Application	Assembly
Carrier Type	Kapton
Carrier Thickness	2mil

LOCTITE ABLESTIK 5662 epoxy adhesive is specially designed for applications where both flexibility and good adhesion are required. LOCTITE ABLESTIK 5662 adhesive is particularly useful in applications requiring good insulation between two substrates, such as bonding PC boards with solder bumps to heat sinks. This adhesive is also suitable for bonding materials with mismatched coefficients of thermal expansion.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Work Life @ 25°C, days	2
Shelf Life @ -40°C (from date of manufacture), days	365

TYPICAL CURING PERFORMANCE

Cure Schedule

3 hours @ 90°C

Alternative Cure Schedule

2 hours @ 100°C

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

Glass Transition Temperature (T _g), °C	100
Thermal Conductivity @ 121°C, W/(m-K)	0.2

TYPICAL PERFORMANCE OF CURED MATERIAL

Shear Strength

Lap Shear Strength		
Al to Al @ 25°C	N/mm ²	15.85
	(psi)	(2,300)

GENERAL INFORMATION

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

THAWING:

- Allow container to reach room temperature before use.

- 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.
- DO NOT re-freeze. Once thawed, the adhesive should not be re-frozen.

DIRECTIONS FOR USE

- Place precut adhesive film between clean surfaces to be bonded.
- Assemble components.
- Apply spring loaded clamp or dead weight to provide continuous pressure of at least 5 to 10 psi during cure cycle.
- Place assembly in a preheated oven and cure at the recommended cure schedule.

AVAILABILITY

- LOCTITE ABLESTIK 5662 adhesive is available in sheet stock or die cut preforms.
- LOCTITE ABLESTIK 5662 adhesive can be die cut to customer specifications.

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. Storage below minus (-)40 °C or greater than minus (-)40 °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 Technical Service Center or Customer Service Representative.

Conversions

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

Disclaimer Note

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that

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