

LOCTITE ABLESTIK 50262-3

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PRODUCT DESCRIPTION

LOCTITE ABLESTIK 50262-3 provides the following product characteristics:

Technology	Epoxy
Appearance	Silver
Product Benefits	• One component • Electrically conductive • Low temperature cure • Low extractable ionics • Long pot life
Cure	Heat Cure
Application	Assembly
Typical Assembly Applications	Heat sensitive components

LOCTITE ABLESTIK 50262-3 can be applied by automatic syringe dispensing or by stencil printing. LOCTITE ABLESTIK 50262-3 adhesive is designed for applications where conventional solder is impractical.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity, Brookfield # TC, 25 °C, mPa·s (cP):

Speed 10 rpm 180,000

Density, g/cm³ 3.33

Fineness, µm 25

Pot Life @ 18 to 25°C, days 7

Shelf Life @ -25 to -18°C, days 182

Flash Point - See SDS

TYPICAL CURING PERFORMANCE**Convection Oven**

45 minutes @ 100°C or

25 minutes @ 120°C or

10 minutes @ 150°C or

IR Oven

3 to 4 minutes @ 120°C

Low temperature cure will reduce electrical conductivity.

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 :**

Coefficient of Linear Thermal Expansion, ppm/°C 60

Glass Transition Temperature (T_g), °C 90

Thermal Conductivity ASTM D1674, W/(m·K) 2

Extractable Ionic Content, ppm:

Chloride (Cl-) 10

Sodium (Na+) 10

Potassium (K+) 10

Ammonium (NH₄+) 30

Electrical Properties:

Volume Resistivity, Ω·cm 5×10⁻³

TYPICAL PERFORMANCE OF CURED MATERIAL

Tensile Lap Shear Strength :

N/mm² 5

(psi) (725)

GENERAL INFORMATION

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

THAWING:

1. This adhesive is packed and shipped in dry ice.
2. Transfer the syringes from the shipping container to a <0°C freezer without ANY delays.
3. Allow material to reach room temperature before use.

DIRECTIONS FOR USE

1. Refrigerate LOCTITE ABLESTIK 50262-3 to maintain viscosity.
2. Packages removed from storage must be allowed to return to ambient temperature before use. This normally takes 2 to 4 hours for a 10 to 30 cc syringe.
3. LOCTITE ABLESTIK 50262-3 can be applied by syringe dispensing or stencil printing.
4. Equipment parts can be cleaned using solvents such as acetone, methyl ethyl ketone, ethanol, isopropanol or LOCTITE STYCAST CLEANER 50306.

STORAGE:

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

Optimal Storage : -25 to -18 °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.

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.

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

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