

LOCTITE ABLESTIK NCA 9300UV

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PRODUCT DESCRIPTION

LOCTITE ABLESTIK NCA 9300UV provides the following product characteristics:

Technology	Acrylate
Appearance	Opaque slightly colored liquid gel
Product Benefits	- Fast cure - One component
Cure	Ultraviolet (UV) light
Application	Non-conductive adhesive
Typical Assembly Applications	Disk drive assembly

LOCTITE ABLESTIK NCA 9300UV single component, photocurable adhesive is designed for disk drive assembly applications such as conformal coating and component tracking. This product also contains a secondary thermal cure mechanism for applications that contain shadowed areas where light is unable to penetrate.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity @ 25 °C, mPa·s (cP):

Brookfield - HA, Spindle 5, Speed 5 rpm 70,000

Cone & Plate, Angle 3° x R14, Speed 5 rpm 20,000

Thixotropic Index (0.5/5 rpm) 3

Shelf Life @ 10°C, days 180

Flash Point - See SDS

TYPICAL CURING PERFORMANCE

Recommended UV Cure

Light Source and Condition:

Ultraviolet (UV) light:

Irradiance, mW/cm² >50

UV Wavelength, nm 365

UV Fixture Time, second 1

UV Tack-Free Time, seconds 5

Secondary Thermal Cure Condition

1hour @ 100°C or

2hours @ 85°C

Depth of Cure

Depth of Cure, mm 2

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 :

Hardness, Shore D 86

GENERAL INFORMATION

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

DIRECTIONS FOR USE

1. Packages removed from storage should be allowed to return to ambient temperature before use.
2. Safe light is recommended during handling prior to curing. Dimmed light may be used, if the adhesive is only being handled for short periods of time.
3. This adhesive is designed to cure upon exposure to UV light. UV curing is particularly advantageous where a very rapid cure or curing of a thin section of the assembly is required.
4. Wide ranges of light systems are available for UV cure, permitting curing of bond profiles in seconds, coupled with a tack-free surface.
5. This adhesive contains a secondary thermal cure initiator to allow cure of bond areas shadowed from light.

AVAILABILITY

1. This adhesive is available in a variety of syringes, ranging from 3.0ml to 30ml.

Storage

Store in original, tightly covered containers in clean, dry areas. Storage information may be indicated on the product container labeling.

Optimal Storage : 10 °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

(°C x 1.8) + 32 = °F

kV/mm x 25.4 = V/mil

mm / 25.4 = inches

N x 0.225 = lb

N/mm x 5.71 = lb/in

psi x 145 = N/mm²

MPa = N/mm²

N·m x 8.851 = lb·in

N·m x 0.738 = lb·ft

N·mm x 0.142 = oz·in

mPa·s = cP

Disclaimer

Note:

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