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Technical Data Sheet

LOCTITE® ECCOBOND E 3032

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PRODUCT DESCRIPTION

LOCTITE® ECCOBOND E 3032 provides the following product characteristics:

Technology	Epoxy
Appearance	Yellow
Cure	Heat cure
Product benefits	• Non-conductive • One component • Sag resistance paste • Fast cure • Low temperature cure
Application	Surface mount adhesive

LOCTITE® ECCOBOND E 3032 surface mount adhesive is designed for high speed dispensing.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity, Brookfield - Helipath Spindle TE, mPa·s (cP):	
Speed 10 rpm	600,000
Specific gravity	1.32
Shelf life @ 0 to 8°C, days	162
Work life, days	7
Flash point - see SDS	

TYPICAL CURING PERFORMANCE

Cure schedule

15 minutes @ 100°C or
3 minutes @ 120°C or
45 seconds @ 160°C

The above cure profiles are guideline recommendations. 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

Physical properties

Shore hardness, ISO 868 , Shore D	88
Glass transition temperature, Tg by TMA, ºC	95
Coefficient of thermal expansion, ppm/°C	
Below Tg	53
Above Tg	167
Storage modulus, DMA @25°C, N/mm^2	3,300

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.

Directions for use

1. Complete cleaning of the substrates should be performed to remove contamination such as oxide layers, dust, moisture, salt and oils which can cause poor adhesion or corrosion in a bonded part.
2. Apply adhesive to all surfaces to be bonded and join together.
3. In most applications only contact pressure is required.

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 the specifications of 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: -20°C

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel 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.

Conversions

(°C x 1.8) + 32 = °F
kV/mm x 25.4 = V/mil
mm / 25.4 = inches
µm / 25.4 = mil
N x 0.225 = lb
N/mm x 5.71 = lb/in
N/mm^2 x 145 = psi
MPa x 145 = psi
N·m x 8.851 = lb·in
N·m x 0.738 = lb·ft
N·mm x 0.142 = oz·in
mPa·s = cP

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