

LOCTITE ABLESTIK CE 3511 P

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PRODUCT DESCRIPTION

LOCTITE ABLESTIK CE 3511 P provides the following product characteristics:

Technology	Epoxy
Appearance	Silver
Filler Type	Silver
Product Benefits	One component
	Electrically conductive
	 Fast cure at high temperatures
	 Long shelf life at room temperature
	No bleed
	 Excellent electrical conductivity
	High bond strength
	Heat resistant
Cure	Heat cure
Operating Temperature	150 °C
Application	Electrically Conductive Adhesive
Typical Assembly	Die attach, Component bonding and
Applications	Heat sensitive components

LOCTITE ABLESTIK CE 3511 P electrically conductive adhesive is designed for circuit assembly applications.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Density, g/cm³	3.05
Brookfield Viscosity # TD, mPa·s (cP):	
Speed 10 rpm	47,500
Pot Life @ 18 to 25°C, days	>14
Shelf Life @ -25 to -18°C, days	182
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE Cure Schedule

60 minutes @ 100°C or 45 minutes @ 120°C or 20 minutes @ 150°C or

≤60 seconds @ 180 to 190°C (Hot plate cure)

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:

Glass Transition Temperature (Tg), °C	100
Coefficient of Linear Thermal Expansion, ppm/°C	124
Electrical Properties:	
Volume Resistivity, ohm-cm:	
Cure @ 180°C	2×10 ⁻⁴
Cure @ 100°C	8×10⁴

TYPICAL PERFORMANCE OF CURED MATERIAL

Tensile Lap Shear Strength	N/mm²	12
	(psi)	(1,740)

GENERAL INFORMATION

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

THAWING:

1. Allow container to reach room temperature before use.

DIRECTIONS FOR USE

- The surfaces on which the adhesive has to be applied should be clean, dry and free from all dust
- 2. LOCTITE ABLESTIK CE 3511 P is designed for dispensing

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: -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.

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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