

LOCTITE ABLESTIK 50298

April 2014

PRODUCT DESCRIPTION

LOCTITE ABLESTIK 50298 provides the following product characteristics:

Technology	Epoxy
Appearance	Creamy paste
Product Benefits	• Two component • Electrically conductive • Thixotropic • Easy application
Filler Type	Nickel
Mix Ratio, by weight - Part A: Part B	100 : 7.5
Cure	Room Temperature or Heat Cure
Application	Assembly
Operating Temperature - Continuous	100°C
Operating Temperature Range	-55 to 150°C

LOCTITE ABLESTIK 50298 is designed to be used as an alternative to silver-filled epoxy adhesives in applications where a lower conductivity is sufficient.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Mixed Properties

Density, g/cm ³	3.2
Pot Life @ 25°C, 10 gram mass, hours	2

TYPICAL CURING PERFORMANCE

Cure Schedule

- 24 hours @ 25°C or
- 2 hours @ 65°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 :

Hardness, Shore D	85
Thermal Conductivity, W/(m-K)	1.5

Electrical Properties:

Volume Resistivity, ohm-cm	0.26
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TYPICAL PERFORMANCE OF CURED MATERIAL

Tensile Lap Shear Strength:

N/mm ²	17
(psi)	(2,470)

GENERAL INFORMATION

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

DIRECTIONS FOR USE

1. All surfaces to be bonded should be clean and free of grease, dirt, and other chemical contaminants.
2. Mix each component well prior to weighing to assure uniform consistency.
3. Accurately weigh out the required amount of part A and part B as stated in the mix ratio
4. Mix Parts A and B together thoroughly.
5. Apply adhesive to all surfaces to be bonded and join together

Storage

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

Optimal Storage : ≤25 °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

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

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 are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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