

LOCTITE ABLESTIK ICP CB5424

April 2013

PRODUCT DESCRIPTION

LOCTITE ABLESTIK ICP CB5424 provides the following product characteristics:

Technology	Silicone
Appearance	Silver
Cure	Heat cure
Product Benefits	<ul style="list-style-type: none">• One component• Flexible• Good adhesion• Electrically conductive
Operating Temperature	-40 to 200°C
Application	Assembly adhesive
Filler Type	Silver

LOCTITE ABLESTIK ICP CB5424 silicone paste is specifically designed for applications where a high degree of flexibility is required.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity :

Plate 2 cm @ Shear rate 5 s ⁻¹ , mPa·s (cP)	95,000
Increase after 72 hours @ RT, %	<20

Thixotropic Index 2.2

Solids Content, % 84.5

Density, g/cm³ 5

Shelf Life @ -40°C, days 122

TYPICAL CURING PERFORMANCE**Cure Schedule**

60 minutes @ 150°C

Weight Loss on Cure

Weight Loss on Cure, % <0.5

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 A 30

Coefficient of Thermal Expansion, ppm/°C 270

Electrical Properties

Volume Resistivity, ohms-cm 2×10^{-4}

TYPICAL PERFORMANCE OF CURED MATERIAL**Shear Strength**

Tensile Lap Shear Strength :

Al to Al

N/mm² 0.5
(psi) (72.5)

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. This material is ready to use after 1 hour at 25°C.
3. This material is best suited for stencil printing application.

Storage

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

Optimal Storage : -40 °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

(°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

N/mm² 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

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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