Technical Data Sheet

LOCTITE ABLESTIK E 3517

December 2016

PRODUCT DESCRIPTION

LOCTITE ABLESTIK E 3517 provides the following product characteristics:

Technology	Epoxy
Appearance	Black
Components	One-component
Product Benefits	• Electrically conductive • Low viscosity • Good dispense and flow behavior • High resistance to heat and humidity • Good bond strength
Cure	Heat cure
Application	Sealant
Filler Type	Graphite

LOCTITE ABLESTIK E 3517 is used in applications where a low electrical conductive sealant is required.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity @ 25 °C, mPa·s (cP)	3,000 to 6,000
Shelf Life @ -25 to -18°C, days	183
Pot Life @ 18 to 25ºC, days	>5
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE Cure Schedule

2 hours @ 120°C or
1 hour @ 150°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

Electrical Properties:

Volume Resistivity, ohms-cm:	
Cured at 150°C	≤3×10^4

TYPICAL PERFORMANCE OF CURED MATERIAL

Tensile Lap Shear Strength, MPa:	
Cured at 150°C	>9

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.

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

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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Reference 1

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