

LOCTITE ABLESTIK EO 0202

November 2016

PRODUCT DESCRIPTION

LOCTITE ABLESTIK EO 0202 provides the following product characteristics:

Technology	Epoxy
Appearance	white
Product Benefits	
Filler Weight, %	49 to 53
Solids Content, %	
Cure	Heat cure
Application	Potting and Encapsulating
Surface Finish	

LOCTITE ABLESTIK EO 0202 is a one component, epoxy potting/adhesive compound designed to be crack resistant when used on metal surfaces such as filter endcaps. It is stable when stored at 25°C or lower.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity, Brookfield - RVF, 25 °C, mPa·s (cP):

Spindle 6, speed 2 rpm	20,000 to 50,000
Spindle 6, speed 20 rpm	15,000 to 30,000
Specific Gravity @ 25 °C	1.6 to 1.66
Gel Time @ 177°C, seconds	80 to 90
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE

Recommended Cure Schedule

Encapsulating:

15 minutes @ 130°C + 20 minutes @ 170°C

Potting:

30 minutes @ 110°C + 30 minutes @ 125°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 :

Coefficient of Thermal Expansion ISO 11359-1
ppm/°C:

Below Tg (25 to 60°C)	43
Above Tg (65 to 130°C)	155
Glass Transition Temperature (Tg), °C	62
Coefficient of Thermal Conductivity, , W/(m-K)	
Shore Hardness, ISO 868, Shore D	90 to 95
Linear Shrinkage, ASTM D792, %	

Water Absorption, %

Guide to Operating Class, IEEE °C 175

Electrical Properties:

Dielectric Strength, 10 mil thickness, volts/mil	1,400
Dielectric Constant / Dissipation Factor @ 25°C:	
100 Hz	5.2 / 0.004
1 kHz	5.2 / 0.004
100 kHz	5.0 / 0.01
Dielectric Constant / Dissipation Factor @ 125°C:	
100 Hz	12.1 / 1.617
1 kHz	8.6 / 0.004
100 kHz	6.5 / 0.013
Volume Resistivity, ohm-cm @ 25°C	2×10 ¹⁶
Volume Resistivity, ohm-cm	1×10 ¹¹
Arc Resistance, seconds	135

GENERAL INFORMATION

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

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.

CAUTION: LOCTITE ABLESTIK EO 0202 MAY EXOTHERM VIOLENTLY IN MASSES IN EXCESS OF 0.5 INCHES THICK OR MORE THAN 50 GRAMS.

STORAGE:

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

Optimal Storage: 8°C to 28°C. Storage below 8°C or greater than 28°C can adversely affect product properties.

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

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

Reference 1

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