

LOCTITE ABLESTIK 2332

November 2016

6×10¹⁴

PRODUCT DESCRIPTION

LOCTITE ABLESTIK 2332 provides the following product characteristics:

Technology	Ероху			
Appearance	Black			
Cure	Heat cure			
Product Benefits	One component			
	 Excellent adhesion 			
	Non-conductive			
	Low temperature cure			
	High strength			
Application	Non-conductive adhesive			
Operating Temperature	-40 to 150 °C			
Surfaces	Copper, Aluminum, Nickel, FRP and Rigid plastics			

LOCTITE ABLESTIK 2332 is a solventless epoxy adhesive that develops high bond strength when cured at temperatures as low as 100°C. This product combines toughness at low temperatures plus high peel and tensile shear strengths over a very broad temperature range.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity @ 25 °C, mPa⋅s (cP)	65,000 to 85,000
Specific Gravity	1.17 to 1.23
Shelf Life @ 0 to 8°C, months	6
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE Cure Schedule

1 hour @ 120°C

Alternative Curing Conditions

90 minutes @ 100°C or 30 minutes @ 120°C or 20 minutes @ 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

Physical Pro	perties :	
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Coefficient of Thermal Expansion , K ⁻¹	100×10 ⁻⁶
Glass Transition Temperature (Tg) by TMA, °C	105
Hardness, Shore D	
@ 25°C	75
@ 120°C	30
Tensile Modulus, DMTA :	
	/mm² 1,043
	osi) (151,235)
9	/mm² 508
	osi) (73,660)
G	/mm² 20
	osi) (2,900)
9	/mm² 10
(p	osi) (1,450)
Linear Shrinkage, %	2.3
	2.0
Electrical Properties:	

Volume Resistivity, ohm-cm @ 25°C

TYPICAL PERFORMANCE OF CURED MATERIAL

Lap Shear Strength :

Aluminum:		
Tested @ 25 °C	N/mm² (psi)	
Tested @ 90 °C	N/mm² (psi)	
Tested @ 125 °C	N/mm² (psi)	
Tested @ 150 °C	N/mm² (psi)	4.9 (710)
PBT:		
Tested @ 25 °C	N/mm² (psi)	
Tested @ 125 °C	N/mm² (psi)	•••
Tested @ 150 °C	N/mm² (psi)	1.2 (175)

GENERAL INFORMATION

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



STORAGE:

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

Optimal Storage: 0 to 8°C. Storage greater than or below 0 to 8°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

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