

LOCTITE ABLESTIK 57CJ Parts AB

August 2013

PRODUCT DESCRIPTION

LOCTITE ABLESTIK 57CJ Parts AB provides the following product characteristics:

Technology	Ероху
Appearance, Resin (Component A)	Silver
Appearance, Hardener (Component B)	Silver
Components	Two component - requires mixing
Filler Type	Silver
Product Benefits	Easy mix ratio
	 Room temperature cure
	 Electrically conductive
Mix Ratio, by weight - Resin : Hardener	100 : 100
Application	Electrically Conductive Adhesive
Cure	Room temperature cure and Heat cure
Operating Temperature	-57 to 150 °C

LOCTITE ABLESTIK 57CJ Parts AB adhesive is designed to make electrical connections where hot soldering is impractical or to make electrical connections to conductive plastics at locations which cannot be subjected to high temperatures.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Mixed Properties

Density, g/cm ³	3.5
Shelf Life @ 18 to 25 °C, days	365
Pot Life @ 25 °C, hour	1
Flash Point - See MSDS	

TYPICAL CURING PERFORMANCE

Cure Schedule

8hours @ 25°C or
3 hours @ 65°C or
1 hour @ 93°C or
30 minutes @ 107°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

Thermal Conductivity , 10-4cal/cm.sec.ºC	189
Flexural Strength , Kg/cm ²	714
Electrical Properties	
Volume Resistivity , ohms-cm	6×10 ⁻⁴

Outgassing Properties

Weight Loss, %	0.68
After 24 hours exposure in vacuum of $1.3{\times}10^{4}{\text{Pa}}\text{at}$ 125°C	t
Volatile Condensable Material (VCM), %	0.06

TYPICAL PERFORMANCE OF CURED MATERIAL

Longitudinal Shear	Strength @ 25 °	C, Kg/cm ²	49
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GENERAL INFORMATION

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

DIRECTIONS FOR USE

- 1. The surfaces on which the adhesive has to be applied should be clean, dry and free from all dust.
- 2. Heat up to a maximum of 65°C to decrytallize the product (maximum of 24 hours, depending on the packaging).
- 3. Add equal weight or volume of Part A to Part B.
- 4. Mix thoroughly with spatula.
- 5. Apply adhesive to surface to be bonded.
- 6. Squeeze out excess.
- 7. For ease of application, Part A and Part B can be thinned with up to 10% by weight Toluene or Methylethylketone. Dilution with solvents extends pot life significantly.
- 8. Upon mixing the parts, a thin paste is produced.
- Solvent must be evaporated before contacting surfaces. In a thin film, about 15 minutes exposure to air in a well ventilated area will remove the solvent. in a similar manner, more solvent can be added to produce a material for brush or spray coating.



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.

Conversions

 $(^{\circ}C \ge 1.8) + 32 = ^{\circ}F$ kV/mm $\ge 25.4 = V/mil$ mm / 25.4 = inches N $\ge 0.225 = lb$ N/mm $\ge 5.71 = lb/in$ N/mm² $\ge 145 = psi$ MPa $\ge N/mm^2$ MPa $\ge 145 = psi$ N·m $\ge 8.851 = lb/in$ N·m $\ge 0.738 = lb/ft$ N·mm $\ge 0.742 = oz/in$ mPa $\le cP$

Disclaimer

Note:

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