

Ablebond 85-1

Epoxy; Epoxide
Henkel Ablestik

Message:

ABLEBOND® 85-1® adhesive is designed for hybrid applications where silver migration is a critical concern.
ABLEBOND® 85-1® meets the requirements of MIL-STD-883, Method 5011.

General Information		
Filler / Reinforcement	Gold	
Features	Electrically Conductive	
Uses	Adhesives	
Agency Ratings	MIL Std. 883 Method 5011	
Appearance	Light Brown	
Forms	Paste	
Thermal	Nominal Value	Unit
Glass Transition Temperature	107	°C
CLTE - Flow		
> 107°C	2.0E-5	cm/cm/°C
< 107°C	5.2E-5	cm/cm/°C
Thermal Conductivity (121°C)	2.1	W/m/K
Electrical	Nominal Value	Unit
Volume Resistivity	< 1.0E-3	ohms · cm
Thermoset	Nominal Value	Unit
Pot Life (25°C)	2900	min
Shelf Life (-40°C)	52	wk
Post Cure Time		
125°C	2.0	hr
150°C	1.0	hr
Additional Information	Nominal Value	Unit
Ionic Chloride	115	ppm
Ionic Potassium	5	ppm
Ionic Sodium	10	ppm
Lap Shear	> 12.4	MPa
Shear Strength - Die (Au to Au) ¹ (25°C)	48.6	MPa
Water Extract Conductivity	15.0	µS/cm
Weight Loss on Heating (300°C)	0.22	%
NOTE		
1.	2 X 2 mm IC	

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Recommended distributors for this material

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