

Ablefilm ECF550

Epoxy; Epoxide
Henkel Ablestik

Message:

Ablefilm® ECF550 silver filled, epoxy adhesive film is designed for microelectronic applications which require electrical conductivity. When used for substrate attach, ECF550 adhesive film acts as an electrical ground plane. In the assembly or sealing of microelectronic packages which require RF shielding, ECF550 adhesive film maintains electrical continuity between joints. Ablefilm ECF550 adhesive film provides strong adhesion to gold and other difficult-to-bond metals. After exposure to moisture, it retains its bond strength. This adhesive film is also available in a low temperature cure version.

General Information			
Filler / Reinforcement	Silver		
Features	Bondability		
	Electrically Conductive		
	Good Electrical Properties		
	Moisture Resistant		
Uses	Adhesives		
	Electrical/Electronic Applications		
	Film		
Appearance	Grey		
Forms	Pellets		
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	81.0	°C	Internal Method
CLTE - Flow			Internal Method
> 81°C	4.6E-5	cm/cm/°C	
< 81°C	6.6E-5	cm/cm/°C	
Thermal Conductivity (121°C)	1.0	W/m/K	Internal Method
Electrical	Nominal Value	Unit	Test Method
Electrical Resistivity ¹	0.00200	ohms/in ²	Internal Method
Carrier Resin	Glass Fabric		
Lap Shear			Internal Method
Al to Al : 25°C	20.7	MPa	
Au to Au : 25°C	24.1	MPa	
Work Life (25°C)	6.0	month	Internal Method
Thermoset	Nominal Value	Unit	Test Method
Shelf Life			
-40°C	52	wk	
5°C	39	wk	
25°C	26	wk	

Post Cure Time		
125°C	2.0	hr
150°C	0.50	hr

NOTE

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| 1. | Measured through Gold Joints |
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