

# Ablefilm ECF550S

Epoxy; Epoxide  
Henkel Ablestik

## Message:

Ablefilm® ECF550S silver filled epoxy adhesive film is designed for microelectronic applications which require electrical conductivity. This adhesive film is supported by a 3.5-mil silver screen carrier.  
ECF550S adhesive film provides thermal conductivity values of 1.4 to 3.8 W/m°K, depending upon bondline pressure and initial film thickness.

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
Thermal Conductivity (121°C)	1.4 to 3.8	W/m/K	Internal Method
Electrical	Nominal Value	Unit	Test Method
Electrical Resistivity <sup>1</sup>	0.00200	ohms/in <sup>2</sup>	Internal Method
Carrier Resin	Silver Screen		
Lap Shear			Internal Method
Al to Al : 25°C	20.0	MPa	
Au to Au : 25°C	21.4	MPa	
Work Life (25°C)	6.0	month	Internal Method
Thermoset	Nominal Value	Unit	Test Method
Shelf Life (-40°C)	52	wk	
Post Cure Time			
125°C	2.0	hr	
150°C	0.50	hr	
NOTE			
1.	Measured through Gold Joints		

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

