

Ablefilm 550K

Epoxy; Epoxide
Henkel Ablestik

Message:

ABLEFILM® 550K™ is designed for substrate attach and heat sink bonding.

General Information		
Features	Low (to None) Cadmium Content	
	Thermally Conductive	
Uses	Adhesives	
	Bonding	
	Film	
Appearance	White	
Forms	Pellets	
Thermal	Nominal Value	Unit
Glass Transition Temperature	102	°C
CLTE - Flow		
< 102°C	5.0E-5	cm/cm/°C
> 102°C	3.0E-4	cm/cm/°C
Thermal Conductivity (121°C)	0.80	W/m/K
Electrical	Nominal Value	Unit
Volume Resistivity	7.2E+12	ohms · cm
Dielectric Strength	39	kV/mm
Dielectric Constant (1 kHz)	5.70	
Dissipation Factor (1 kHz)	0.020	
Thermoset	Nominal Value	Unit
Shelf Life (-40°C)	52	wk
Post Cure Time		
125°C	2.0	hr
150°C	0.50	hr
Additional Information	Nominal Value	Unit
Carrier	Glass fabirc	
Lap Shear		
Al to Al : 25°C	22.8	MPa
Au to Au : 25°C	21.4	MPa
Weight Loss on Heating (300°C)	0.37	%
Work Life (25°C)	6.0	month

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Recommended distributors for this material

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