

A-9401

Electrically Conductive Anisotropic Adhesive (ACA)

Characteristics:

A-9401 is designed as an electrically conductive anisotropic adhesive for PFcan (Pressure-Formed-Can), Film Antenna poles or other similar applications. It is vertically conductive adhesive provides high peel strength between flexible substrates and ground traces on PCB. It is a single component base system optimized for screen printing or dispensing processes.

Features:

- High peel strength provides good adhesion with dissimilar substrates
- Low Z axis resistance provides good grounding performance
- Short heat seal cycle for mass production process requirement

Applications:

- PFcan
- Film Antenna poles

Process:

- Drying: 80°C x 3 min. in convectional oven
- Heat seal: 170 ~ 180°C x 10 sec under 35 ~ 45 kg/cm²

Typical Properties:

Properties	Unit	A-9401
Resin		Synthetic Rubber
Filler		Au/Ni
Physical		
Nominal Thickness (Dry film)	mils (mm)	1.2 ~ 2.0(0.03 ~ 0.05)
Initial Peel	Grams	> 500
Heat Aging with Humidity, Peel	85°C/95%RH, grams	> 400
Storage, High Temperature	85°C	500 hours
Storage, Low Temperature	- 40°C	500 hours
Storage, High Temperature & Humidity	60°C/95%RH	500 hours
Heat Cycle, Hi ~ Low Temperature, High Humidity	60°C/12hours~-40°C/12 hours/90%RH	50 Cycles
Heat Cycle, Hi ~ Ambient ~ Low Temperature	85°C/30min~25°C/5min~-40°C/30min	100 Cycles
Maximum Using Temperature	°C	125
Electrical		
Initial Through Resistivity, TR	Ohm	0.2
Heat Aging with Humidity, TR	85°C/95%RH, ohm	0.5

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