

Lord Adhesives Metech 3610 Gold Alloy Conductor Composition

Category : Polymer , Adhesive

Material Notes:

Gold alloy conductor composition 3610 is a mixed bond composition designed for microcircuit applications requiring aluminum wire bonds. It offers excellent aged wire bond adhesion for both aluminum and gold wires. The composition fires at 850Å°C to a dense, pin-hole free film with a typical fired thickness of 9-11 microns. The vehicle system permits resolution of 125 micron lines and spaces. All information provided by Lord.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lord-Adhesives-Metech-3610-Gold-Alloy-Conductor-Composition.php

Physical Properties	Metric	English	Comments
Brookfield Viscosity	190000 - 240000 cP @Temperature 25.0 Å°C	190000 - 240000 cP @Temperature 77.0 Å°F	HBT, Spindle #SC4-14 @ 10rpm
Thickness	9.00 - 11.0 microns	0.354 - 0.433 mil	Fired

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	<= 0.0040 ohm	<= 0.0040 ohm	

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month @Temperature 25.0 Å°C	12.0 Month @Temperature 77.0 Å°F	

Descriptive Properties	Value	Comments
Coverage (cmÅ²/gm)	50-60	Calculated from 50 micron wet film
Line Resolution (microns)	125	
Wire Bond Strength (grams)	13-15	Ultrasonic Aluminum, Initial
	7-9	Ultrasonic Aluminum, Aged (300Å°C for 1 hour)
	8-10	Thermosonic Gold, Aged (300Å°C for 1 hour)
	9-11	Thermosonic Gold, Initial

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