

Product Data Sheet

Polyimide Film Silicone Tape

706ST108



Product Information

Masks solder from edge connectors, holes, and other areas on circuit boards during the wave-soldering process. Excellent high-temperature resistance (500°F) and is easily removed without residues. Comes in 36 yd. rolls.

- RoHS compliant
- Temperature resistant to 500°F
- 2.5mil thick (1.0 film/1.5 adhesive)
- Cross linked silicone adhesive
- Shelf life: 14 months

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Technical Details	Test Method	Maximum	Minimum
Adhesive	-		Silicone
Carrier	-		Polyimide Fil
Carrier Thickness (mil/mm)	ASTM D 1000	0.88~1.12/0.022~0.028	
Total Thickness (mil/mm)	ASTM D 1000	2.0~2.4/0.050~0.060	
Color	-		Amber
Initial Ball Tack	JIS Z0237	#20	#14
Adhesion to Steel (g/25mm)	ASTM D 1000	750	570
Tensile Strength (kg/25mm)	ASTM D 1000	14	9.0
Elongation (%)	ASTM D 1000	90	40
Dielectric Strength (kV)	ASTM D 149	7.5	5.5
Class of Insulation (°C)	UL 510		H/200
Shear Strength	180°Cx25mmx1kg		60 min
Heat Resistance (Residual, %)	225°Cx40 min		No Residual
Range of Temperature (°C/°F)	-	-70~260/-100~500	
Shelf Life	-		14 Months

According to our past record, the adhesion after 14 months will possibly decrease about 60 g, we'll examine every 3 months and update

Packaging

706ST108	1" x 36 Yds, 3" core, 2.5 mil
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NOTE: The above data should be considered representative only and should not be used for specification purposes. The above mentioned data represents the average obtained in our laboratory. Suggestion for use and final results on our best technical experiences, but cannot be intended as our commitment or liability. The user will determine the suitability of the product and the method of application for each specific use.