

TECHNICAL DATA SHEET

POLYESTER FILM SILICONE TAPE

DESCRIPTION

Manufactured from 1 mil thin polyimide film with 2.4 mils anti-static silicone adhesive. The ESD function can reduce the discharge of electroplating static upon tape removal.

PRODUCT BENEFITS

It is chosen for protecting gold finger of PCB during wave soldering process.

- Safe and clean removal from PCB.
- High conformability

Item	Test Method	Normal	Min.
Adhesive		Silicone	
Backing		Polyimide Film	
Carrier Thickness (mil/mm)	ASTM D 1000	1.00 / 0.025	
Total Thickness (mil/mm)	ASTM D 1000	3.39 / 0.085	3.27 / 0.082
Color		Amber	
Adhesion to Steel (N/25mm)/(g/25mm)/(oz/in)	ASTM D 1000	7.3/750/26.5	6.8/600/24.4
Tensile Strength (N/25mm)/(kg/25mm)/(lb/in)	ASTM D 1000	98 / 10 / 21.7	88 / 9.0 / 20
Dielectric Strength (kV)	ASTM D 149	7.0	6.5
Insulation Resistance (ohms)	ASTM D 257	>10 ⁶	
Class of Insulation (°C)	UL 510	UL H / 200	
Elongation (%)		50	40
Static Charge-Unwinding (Volt)	ASTM D 1000	<50	5
Range of Temperature (C/F)		-73 ~ 260 / -100 ~ 500	

The above values are typical values and should be used only as a guide. Due to the nature of process variables, Echo makes no warranty or guarantee on the use of this product in a specific process and user should always test material in their own process before running production.