

Product Data Sheet

Kapton Tape, Low Static, 2.4mil

758ST1643



- Offers outstanding thermal resistance
- Provides excellent electrical insulating properties
- Safe and clean removal from PCB
- High conformability

Product Information

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.

Designed to minimize the effect of static during the stripping and peeling process. Acts as a mask for printed circuit boards during wave solder or solder dip processes. Serves as a release surface in the fabrication of parts cured at elevated temperatures.

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Technical Details	Test Method	Normal	Min.
Carrier Thickness (mil/mm)	ASTM D 1000	1.00/0.025	1.00/0.025
Total Thickness (mil/mm)	ASTM D 1000	3.39/0.085	3.27/0.082
Adhesion to Steel (N/25mm)/(g/25mm)/(oz/in)		7.3/750/26.5	6.8/600/24.4
Tensile Strength (N/25mm)/(k-g/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	>10 ⁶
Class of Insulation (°C)	UL 510	UL H/200	UL H/200
Elongation (%)	ASTM D 1000	50	40
Static Charge-Unwinding (Volt)	ASTM D 1000	<50	5
Range of Temperature (C/F)		-73~260	-100~500
Adhesive		Silicone	Silicone

Packaging

758ST1643 1/4" x 36 Yds, 3" core, 2.4 mil