



PPI – Product Information

PPI RD-042D®

Anti-Static Printed Circuit Board and Conformal Coating Masking Tape

DESCRIPTION:

RD-042D® is based on (0.025 mm) polyimide film coated with a special surface conductive adhesive. Static generation during roll unwind and tape application is eliminated. RD-042D® can withstand wave solder temperatures up to 300°C and leaves no adhesive residue on printed circuit boards upon removal. Unlike other anti-static tapes, the anti-static properties of the RD-042D, are unaffected by changes in humidity and temperature in the processing environment.

<u>PHYSICAL PROPERTIES</u>	<u>EN VALUE</u>	<u>ASTM VALUE</u>
SUPPORTING BASE:	POLYIMIDE SPECIAL CONSTRUCTION	
BASE THICKNESS:	0.025 mm	1.0 MIL
TOTAL THICKNESS:	0.060 mm	2.4 MIL
SURFACE RESISTIVITY (ADHESIVE):	10 ³ - 10 ⁴ OHMS/SQ	
TEMPERATURE RESISTANCE:	UP TO 300°C SHORT TERM	
COLOUR:	BROWN OPAQUE	
ADHESIVE STRENGTH:	1.0 N/cm	9.0 oz/inch
ADHESIVE TYPE:	SILICONE	
DIELECTRIC STRENGTH:	7,000 V	7,000 V
TENSILE STRENGTH:	50.0 N/cm	28.0 lbs/inch
ELONGATION:	70.0 %	70.0 %
STATIC CHARGE GENERATED:		
Roll Unwind	<10 Volts	
Removal from PCB	<10 Volts	

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*EN 60454 / ** ASTM D-1000

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