

3M™ Polyester/Silicone Tape 852RW

Product Description

3M™ Polyester/Silicone Tape 852RW is clear with polyester film and silicone adhesive is used for PCB solder masking and other high temperature applications.

Features and Benefits

- Abrasion, chemical and thermal resistant
- Higher heat resistance as compared with acrylics
- Easy and clean removability
- Polyethylene tape core instead of cardboard

Product Construction/Material Description

3M™ Polyester/Silicone Tape 852RW	
Color	Clear
Backing	PET film
Adhesive	Silicone

Applications

- Attach PCB in PCB die cutting process.
- Masking edges of overlap seams in metal bonding process where the excess epoxy flows onto the tape. Clean-up is virtually complete when the tape is removed.
- Protective overall mask on panels subject to mild caustic or acid bath etching and to help prevent scratches during handling prior to bonding operations.

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.

3M™ Polyester/Silicone Tape 852RW		
Property	Method	Value
Adhesion to Steel	D-3330	34 oz/in width (37 N/100 mm)
Tensile Strength at Break	D-3579	48 lb/in width (840 N/100 mm)
Elongation at Break	D-3579	80%
Backing Thickness	D-3652	2.0 mil (0.05 mm)
Total Tape Thickness	D-3652	3.0 mil (0.07 mm)
Temperature Use Range	—	Removes cleanly and remains flexible after 30 min at 218°C (425°F)

Storage and Shelf Life

The shelf life of 3M™ Polyester/Silicone Tape 852RW is 12 months from the date of manufacture when stored in original cartons at 21°C (70°F) and 50% relative humidity.

Regulatory

For regulatory information about this product, contact your 3M representative.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

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