

Scotch™ brand No.5414 Water Soluble Wave Solder Tape



Technical Data

SCOTCH BRAND NO. 5414 WATER SOLUBLE WAVE SOLDER TAPE

DESCRIPTION: A polyvinyl alcohol backing which is water soluble and synthetic water soluble adhesive designed to mask gold fingers on printed circuit boards during wave soldering.

CONSTRUCTION:

Backing:	PVA film
Adhesive:	Water soluble synthetic adhesive
Liner:	Kraft paper
Color:	Hazy, transparent
Standard Roll Size:	36 yds. (33 m)

TYPICAL PHYSICAL PROPERTIES: Not Recommended for Specification Purposes.

ASTM METHOD

Adhesion to Steel:	7 oz./in. width (7.8 N/100 mm) nominal	D-3330
Tensile Strength: (Break or Yield)	6.2 lbs./in. width (115.6 N/100 mm)	D-3759
Elongation: (Break or Yield)	98%	D-3759
Total Tape Thickness:	2.5 mils (.06 mm) nominal	D-3652

FEATURES

ADVANTAGES

BENEFITS

Total water solubility	No manual removal required	Saves labor costs
	Static free removal	Component are not destroyed by Static discharge
		Special static reducing equipment is not required
	No residue after cleaning	Saves labor costs
Low static upon liner release	Low static when taping board	Components are not destroyed by static discharge
Biodegradability	Pollution free	Reduces disposal costs
Absolute moisture barrier	Humidity extremes do not affect tape properties	Consistent product performance
Package plus desiccant		Easy manual and machine (S-45) application

Important Notice: All statement technical information and recommendations herein are based on tests and/or data we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. NEITHER SELLER NOR MANUFACTURERS SHALL BE UABLE EITHER IN TORT OR IN CONTRACT FOR ANY LOSS OR DAMAGE, DIRECT, INCIDENTAL, OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

3M Industrial Tape Division

3M Center Bldg. 220-8E-04
St. Paul. NM 55144-1000

