



3903 Vinyl Duct Tape

Product Data Sheet

Updated : February 2000

Supersedes : New

Product Description

General purpose vinyl duct tape. Available in five colours for colour coding, sealing, protecting from moisture, temporary repairs and general maintenance activities.

Physical Properties

Not for specification purposes

Adhesive Type	Natural Rubber
Backing	Embossed Vinyl
Total Tape Thickness <small>ASTM D-3652</small>	6.2 mils (0.16 mm)
Tape Colour	Grey, blue, green, yellow and white
Shelf Life	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity.

Performance

Characteristics

Not for specification purposes

Adhesion to Stainless Steel <small>ASTM D-3330</small>	16 oz. / in. width 1.7 N/10mm	
Tensile Strength at Break <small>ASTM D-3759</small>	14 lbs. /in. 24.5 N/10mm	
Elongation at Break <small>ASTM D-3759</small>	129 %	
Temperature Use Range	Up to 250°F (121°C)	

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General Information

- The conformable backing of 3903 tape makes it useful for application to irregular shapes.
- Tape 3903 is less prone to leave adhesive residue on the surface than conventional cloth duct tapes.
- If the adhesive side of 3903 tape accidentally falls on itself, it can be pulled apart again so the tape is not wasted.
- Because of the lower adhesion level of 3903 tape compared to most cloth duct tapes, it is ideally suited for temporary holding with less concern for leaving adhesive residue.
- Typically used at room temperature, but will remove cleanly when applied to a painted steel surface up to 250°F for up to one hour.

Application Ideas

Sealing and protecting surfaces and openings from dust, dirt and moisture. Colour coding. Temporary repairs. General maintenance activities. Wrapping & Bundling.

Features	Advantages	Benefits
Embossed vinyl backing	Easy to tear straight across by hand	Saves time, no additional tools needed, minimises waste
	Excellent conformability	Conforms to the surface to which it is applied. Minimises amount of tape needed
	Contains no cloth scrim	No exposed thread ends to wick water into the adhesive layer
	Lower unwind force	Less effort to remove tape from roll. Less user fatigue.
	Five backing colours	Can be used for colour coding. Provides easy, on-site identification.
Natural rubber adhesive	Adhesive releases when accidentally stuck to itself	Less waste from having to throw away tangled tape.
	Adhesive transfer resistance	Minimal clean up when tape is removed. Saves time and materials

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	Features	Advantages	Benefits
Continued...	Heat resistance	Adhesive and backing will perform well and remove cleanly from surface after 1 hour at up to 250°F.	Can be used in a wide variety of applications. Less time spent on clean up.

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



Tapes & Adhesives

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