

3M

Polyester Tape

875 & 876 Green

Technical Data

September 2016

Product Description 3M™ Polyester Tape 875 and 876, have a polyester film backing with green, rubber-based adhesive. They can be used in high temperature applications including temporary holding, masking, flashbreaker with clean release during Autoclave Processes (hold TC wires, vacuum bagging materials, and tooling). High temperature resistant, non-silicone adhesive makes it ideal for paint masking in liquid or powder coat processes.

Product Construction	Backing	Adhesive	Color
	Polyester	Rubber	Green

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.

		ASTM Test Method
3M™ Polyester Tape 875 Green		
Adhesion to Steel:	36 oz./in. width (37 N/100 mm)	D-3330
Tensile Strength:	34 lbs./in. width (590 N/100 mm)	D-3759
Elongation at Break:	105%	D-3759
Backing Thickness:	0.99 mils (0.025 mm)	D-3652
Total Thickness:	2.0 mils (0.052 mm)	D-3652
Temperature Use Range:	60 - 400°F (140 - 204°C) withstands autoclave cycles up to 350°F (177°C)	
3M™ Polyester Tape 876 Green		
Adhesion to Steel:	33 oz./in. width (36 N/100 mm)	D-3330
Tensile Strength:	66 lbs./in. width (1160 N/100 mm)	D-3759
Elongation at Break:	128%	D-3759
Backing Thickness:	2.0 mils (0.051 mm)	D-3652
Total Thickness:	3.1 mils (0.078 mm)	D-3652
Temperature Use Range:	60 - 400°F (140 - 204°C) withstands autoclave cycles up to 350°F (177°C)	

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Features

- Thin, high strength polyester film provides a degree of conformability while meeting low caliper requirements.
- High temperature resistance provides good initial tack and holding strength with clean removability.
- Non-silicone, rubber-based adhesive allows use on many parts where subsequent painting or bonding is necessary.
- High temperature – clean removal from stainless steel, aluminum, and glass after exposure up to 350°F (177°C) for several hours. In shorter cycles, the tape can be expected to provide satisfactory performance in 400°F (204°C) bake cycles.

Application Ideas

- Masking parts for high temperature painting and powder coat painting.
- Masking edges of overlap seams in metal bonding process where excess adhesive flows onto tape. Minimizes clean-up on tape removal.
- Holding materials or sealing vacuum bags during autoclave processing.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

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.

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This Industrial Adhesives and Tapes Division product was manufactured under a quality system registered to ISO 9001:2000 standards.



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