



# Polyester Tape 875 & 876

## Product Data Sheet

Date: January 2020  
Supersedes: New

### Product Description

3M™ Polyester Tape 875 and 876 have a polyester film backing with green, rubber adhesive. High temperature resistance makes it ideal for paint masking, liquid or powder coat processes.

### Key Features

- Can be used in high temperature, non-silicone applications including temporary holding, masking, with clean release during Autoclave Processes (hold TC wires, vacuum bagging materials, and tooling).
- Thin, high strength polyester film provides a degree of conformability while meeting low calliper requirements.
- High temperature resistance provides good initial tack and holding strength with clean removability.
- Non-silicone adhesive allows use on many parts where subsequent painting or bonding is necessary.
- High temperature – clean removal from stainless steel, aluminium, after exposure to 177 °C for several hours. In shorter cycles, the tape can be expected to provide satisfactory performance in 204 °C bake cycles.

### Physical Properties

<b>Backing</b>	Polyester
<b>Adhesive</b>	Rubber
<b>Colour</b>	Green

#### 3M™ Polyester Tape 875 Green

<b>Backing Thickness</b> ASTM D-3652	0.025 mm
<b>Total Thickness</b> ASTM D-3652	0.05 mm

#### 3M™ Polyester Tape 876 Green

<b>Backing Thickness</b> ASTM D-3652	0.05 mm
<b>Total Thickness (without liner)</b> ASTM D-3652	0.08 mm

---

Performance Characteristics

3M™ Polyester Tape 875 Green

<b>Adhesion to Steel</b> ASTM D-3330	37 N/100 mm
<b>Tensile Strength</b> ASTM D-3759	590 N/100 mm
<b>Elongation at Break</b> ASTM D-3759	105 %
<b>Temperature Use Range</b>	140 °C – 204 °C withstands autoclave cycles up to 177 °C

3M™ Polyester Tape 876 Green

<b>Adhesion to Steel</b> ASTM D-3330	36 N/100 mm
<b>Tensile Strength</b> ASTM D-3759	1160 N/100 mm
<b>Elongation at Break</b> ASTM D-3759	128 %
<b>Temperature Use Range</b>	140 – 204 °C withstands autoclave cycles up to 177 °C

---

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 during autoclave processing

---

Storage & Shelf Life

Store at 16 °C – 25 °C and 40-65 % relative humidity in its original box. The product can be stored up to 18 months after production.

Note: The shelf life may be shortened if the original packaging is not properly sealed or stored in an environment with high temperatures or humidity

---

Precautionary Information

Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information please contact your local 3M Office. [www.3M.com](http://www.3M.com)

---

---

For Additional Information

To request additional product information or to arrange for sales assistance, call.....

Address correspondence to: 3M

---

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law

---

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

---

3M is a trademark the 3M Company.

**3M United Kingdom PLC**  
2M Centre, Cain Road, Bracknell  
RG12 8HT  
United Kingdom

**3M Svenska AB**  
Herrjärva torg 4  
170 67 Solna  
Sweden

**3M Eesti OÜ**  
Pärnu mnt. 158  
11317 Tallinn  
Estonia

**3M Ireland Ltd**  
The Iveagh Building, 3rd Floor  
The Park, Carrickmines 18  
Ireland

**3M a/s**  
Hannemanns Allé 53  
DK-2300 Copenhagen S.  
Denmark

**3M Latvia SIA**  
K.Ulmaņa gatve 5  
Rīga, LV-1004  
Latvia

**3M Belgium bvba/sprl**  
Hermeslaan 7  
1831 Diegem  
Belgium

**3M Norge AS**  
Tærudgata 16  
2004 Lillestrøm  
Norway

**3M Lietuva UAB**  
A.Goštauto g. 40  
Vilnius LT- 03163  
Lithuania

**3M Nederland B.V.**  
Molengraaffsingel 29  
2629 JD Delft  
The Netherlands

**Suomen 3M Oy**  
Keilaranta 6  
02150 Espoo  
Finland