

3M High Temperature Nylon Tape 855

Product Description 3M™ High Temperature Nylon Tape 855 is a 2 mil nylon film tape with a nonsilicone rubber adhesive that can be used in many composite bagging operations or to help remove flashing after composite bonding.

Construction: **Backing:** 2 mil (.05 mm) nylon **Adhesive:** Rubber **Color:** Translucent cream

Typical Physical Properties and Performance Characteristics:

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
Adhesion to Steel: 55 oz./in. width (60 N/100 mm)	D-3330
Tensile Strength: 31 lbs./in. width (540 N/100 mm)	D-3759
Elongation at Break: 470%	D-3759
Total Thickness: 3.2 mils (.081 mm)	D-3652
Temperature Range: 60°F to 400°F (140°C to 204°C) Withstands autoclave cycles up to 400°F (204°C)	

Features:

- High temperature performance is achieved without the use of silicone adhesive which eliminates silicone residue which often interferes with cleaning operations and anchorage of certain adhesives and paints.
- Non-silicone adhesive allows use on many parts where subsequent painting or bonding is necessary. Removes cleanly after 400°F (204°C) autoclave exposure.
- High temperature – clean removal after exposure 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.
- Nylon backing for toughness, high elongation, quick removal, and ease of application.

Application Ideas:

- Designed to provide clean removal during masking operations in applications involving high temperature and pressure.
- Advanced composite and metal bond masking as non-silicone adhesive allows use on many parts where subsequent painting or bonding is necessary and removes cleanly after 400°F (204°C) autoclave exposure.

Storage:

Store in a clean, dry place at 60° to 80°F (15° to 27°C) and 40 to 50% relative humidity.

Shelf Life:

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

Product Use:

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 of application.

Warranty and Limited Remedy:

Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

Limitation of Liability

Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.