



High Temperature Nylon Tape

855

Technical Data

January, 2006

Product Description

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

Construction

Backing	Adhesive	Color
2 mil (.05 mm), nylon	Rubber	Translucent cream color

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.

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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.

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ISO 9001:2000

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