

# Scotch™ brand No. 855 High Temperature Nylon Tape



## Technical Data

### SCOTCH BRAND NO. 855 HIGH TEMPERATURE NULON TAPE

TEMPORARY  
1990

**DESCRIPTION:** A 2 mil nylon film with a non-silicone rubber adhesive to be used in composite bagging operations or to remove flashing after composite bonding

### **CONSTRUCTION:**

Backing:	Nylon
Adhesive:	Rubber
Color	Translucent cream color

**TYPICAL PHYSICAL PROPERTIES:** Not Recommended for Specification Purposes

		<u>ASTM METHOD</u>
Adhesion to Steel:	30 oz./in. width (32 N/100mm)	<b>D-3330</b>
Total Thickness:	3.0 mils (.076 mm)	<b>D-3652</b>
Tensile Strength:	25 lbs./in. width (440 N/100 mm)	<b>D-3759</b>
Elongation at Break:	400%	<b>D-3759</b>
Temperature Range:	60°F to 400°F (140°C to 205°C) Withstands autoclave cycles up to 400°F (205°C)	<b>D-3652</b>

### **GENERAL INFORMATION:**

1. High temperature performance is achieved without the use of silicone adhesive. This eliminates the problem of silicone residue which normally interferes with cleaning operations and anchorage of adhesives and paints.
2. This tape is designed to provide clean removal during masking operations in applications involving high temperatures and pressure.
3. Do not store for longer than one year under normal storage conditions of 70°F (21°C) and 50% R.H.

### **POSSIBLE USES:**

**Advanced composite and metal bond masking** – non-silicone adhesive allows use on parts where subsequent painting or bonding is necessary. Removes cleanly after 400°F(205°C) autoclave exposure.

**High temperature** – clean removal from bake cycles for 24 hours. Tape removes cleanly from metal after exposure. 350°F (175°C). In shorter cycles, the tape can be expected to provide satisfactory performance in 400°F(205°C) bake cycles.

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## FEATURES

Nylon backing

Rubber adhesive

Non-silicone adhesive

## ADVANTAGES

Toughness

High elongation

High temperature performance

High temperature performance

Eliminates possible silicone contamination on forms, molds, and parts

## BENEFITS

Quick removal

Ease of application

Reduced clean-up saves time

Clean removal

Facilitates superior bond strength

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Litho in USA with 3M offset plates, film and proofing systems.

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**3M Industrial Tape  
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