



# High Temperature Nylon Tape

## 8555

### Technical Data

January, 1995

**Product Description** A 5 mil nylon film with a non-silicone rubber adhesive that can be used to help remove thick flash during composite bonding.

Construction	Backing	Adhesive	Color
	5 mil (.125 mm) nylon	Rubber adhesive	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:	60 oz./in width (66 N/100mm)	<b>D-3330</b>
Tensile Strength:	69 lbs./ in. width (1208 N/100 mm)	<b>D-3759</b>
Elongation at Break:	540%	<b>D-3759</b>
Total Thickness:	6.0 mils (.15 mm)	<b>D-3652</b>
Temperature Range:	60°F to 400°F (140°C to 205°C) Withstands autoclave cycles up to 400°F (205°C)	

- General Information**
- High temperature performance is achieved without the use of silicone adhesive. This eliminates silicone residue which often interferes with cleaning operations and anchorage of certain adhesives and paints.
  - This tape is designed to provide clean removal during masking operations in applications involving high temperature and pressure.
  - Do not store for longer than one year under normal storage conditions of 70-80°F (21-27°C) at 40-50% relative humidity.

- Application Ideas**
- **Advanced composite and metal bond masking** – non-silicone adhesive allows use on many parts where subsequent painting or bonding is necessary. Removes cleanly after 400°F (205°C) autoclave exposure.
  - **High temperature** – clean removal after exposure to 350°F (175°C) for several hours. In shorter cycles, the tape can be expected to provide satisfactory performance in 400°F (205°C) back cycles.

# Pavement Marking Tape

4746

Features	Advantages	Benefits
<ul style="list-style-type: none"><li>• Nylon backing</li></ul>	<ul style="list-style-type: none"><li>• Toughness</li><li>• High elongation</li><li>• High temperature performance</li></ul>	<ul style="list-style-type: none"><li>• Quick removal</li><li>• Ease of application</li><li>• Reduced clean-up helps save time</li></ul>
<ul style="list-style-type: none"><li>• Non-silicone rubber adhesive</li></ul>	<ul style="list-style-type: none"><li>• High temperature performance</li><li>• Eliminates possible silicone contamination on forms, molds, and parts</li></ul>	<ul style="list-style-type: none"><li>• Clean removal</li><li>• Facilitates superior bond strength</li></ul>

## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. Address correspondence to : 3M, Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55411-1000. Our fax number is 612-733-9175. in Canada, phone: 1-519-451-2500. in Puerto Rico, phone:1-809-750-3000. in Mexico. Phone: 5-728-0400.

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Printed in U.S.A.  
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70-0703-0601-7