



High Temperature Nylon Tape

8555

Technical Data

January, 2006

Product Description 3M™ High Temperature Nylon Tape 8555 is a 5 mil 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/100 mm) | D-3330 |
| Tensile Strength: | 69 lbs./in. width (1208 N/100 mm) | D-3759 |
| Elongation at Break: | 540% | D-3759 |
| Total Thickness: | 6.0 mils (0.15 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.

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Storage Store in a clean, dry environment between 70-80°F (21-27°C) and 40-50% relative humidity.

Shelf Life To obtain best performance, use this product within one year from date of manufacture.

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ISO 9001:2000

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Printed in U.S.A.
©3M 2006 70-0703-0601-7 (1/06)