



Mold Release Tape

249

FOD# 1510
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Technical Data **September 1, 1998**

Supersedes April 1, 1995

Product Description A high performance paper masking tape for masking on many low surface energy applications.

Product Construction Backing: A natural colored smooth crepe paper with a temperature and solvent resistant saturant
Adhesive: Silicone adhesive
Standard Roll Length: 60 yds. (54.8m)

Typical Physical Properties **Note:** The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.

		<u>ASTM TEST METHOD</u>
Adhesion to Steel:	33 oz./in. width (36 N/100mm)	D-3330
Tensile Strength:	20 lbs./in. width (350 N/100mm)	D-3759
Elongation at Break:	11%	D-3759
Tape Thickness:	6.6 mils (0.17mm)	D-3652
Temperature Use Range:	Up to 250°F (121°C) Removes cleanly	

- General Information**
- The heat and solvent resistance of Tape 249 will provide excellent performance on many low surface energy applications.
 - Tape 249 should not be subjected to outdoor exposure. Tape may become very difficult to remove.
 - Tape 249 provides a balanced construction for design layout on mold release agents.
 - Tape 249 is manufactured in an ISO 9002 registered plant to meet worldwide quality standards.

Shelf Life To obtain best performance, use this product within one year from date of manufacture and store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

Application Ideas

Tape 249 is an excellent gel coat (polyester resin) layout masking tape on surfaces coated with mold release agents.

Features

FEATURES

ADVANTAGES

BENEFITS

Silicone adhesive

Adhesion to many low surface energy applications

Resists lifting or curling/ helps minimize rework

Adhesive transfer resistance

Clean removal/helps minimize labor required to remove transferred adhesive

Crepe paper backing

Smoothness

Good surface contact/ provides secure holding

Thinness

Sharp color separation line/clean color lines

Dead stretch

Resists recovery/helps reduce rework

Conformability

Easy handling/allows fast application

Backing saturant

Solvent and moisture resistance

Minimizes bleed-through and rework

Easy tear

Excellent handling/helps reduce rework

Backsize treatment

Controlled unwind

Easy to use/helps reduce waste

Unique components

Balanced construction

Excellent versatility/efficient tool

Technical Information and Data

The technical information and data, recommendations, and other statements provided are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which 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.

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Limited Remedy**

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

3M

Industrial Tape and Specialties Division

3M Center, Building 220-7W-03
St. Paul, MN 55144-1000
USA
1 800.722.5463
1 800.223.7427 Fax On Demand
www.3M.com

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