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3M™ Anodization Masking Tape 8985L

Product Description

3M™ Anodization Masking Tape 8985L is a purple printed polyester tape with a rubber adhesive and non-silicone release liner. Designed specifically for masking parts against chromic anodization bath processes.

Product Features

- Strong backing provides excellent abrasion, tear, scratch, puncture and moisture resistance to help protect surfaces.
- The purple translucent backing allows for visual inspection without tape removal.
- Provides good initial tack and holding strength.
- Rubber adhesive specially formulated to resist the harshest of chemical bath chemistries and provide clean removal when finished.
- Non-silicone adhesive allows use on many parts where subsequent painting or bonding is necessary.
- Non-silicone liner allows for die-cuts.

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Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values		Method
Color	Purple Printed		
Total Tape Thickness	0.099 mm	3.9 mil	ASTM D3652
Backing Thickness	0.076 mm	3 mil	ASTM D3652
Backing	Polyester		
Adhesive	Rubber		
Liner	Polyester		
Liner Thickness	0.051 mm	2 mil	ASTM D3652

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	2.5 N/cm	23 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	1234 N/100mm	70 lb/in	ASTM D3759	
Elongation at Break	131 %		ASTM D3759	
Temperature Use Range	Up to 93 °C	Up to 200 °F		

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Available Sizes

Property	Values	
Standard Roll Length	65.8 m	72 yd

Handling/Application Information

Application Ideas

- Masking during anodization operations.

Application Techniques

Surface Preparation

- Clean surfaces prior to masking, such as alkaline clean and deoxidize.
- Improve masking success by chemfilm surface prior to masking.

Masking

- Optimal adhesion is obtained when both the tape and intended surface are within a temperature range of 60° to 80°F (16° to 27°C).
- To apply the tape, remove a portion of the liner from one end of the tape and firmly tack it down to the surface. Gently pull liner away from tape at an angle as it is being applied by hand.
- Once the tape has been applied, firmly apply pressure to improve bond strength to surface. Additional tools (wipers, rollers, etc.) may be needed to achieve proper bond.
- Squeegee out any air bubbles that may be trapped between the tape and the surface. Special attention to masking edges for better sealing from chemicals.

Removal Techniques

- Allow masking tape to dwell greater than four hours after part processing before removal.

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material. To obtain best performance, use this product within 12 months from date of manufacture.

Trademarks

3M is a trademark of 3M Company.

ISO Statement

This product was manufactured under a quality system registered to ISO 9001 standards.

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Information

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