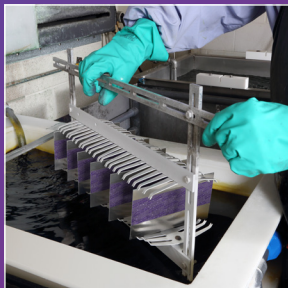


3M Masking Tapes for Anodization

WHAT

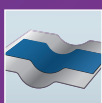


Product Features

Anodizing is an electrochemical conversion process used to increase the durability and corrosion resistance of metal parts by creating a surface oxide layer. Parts are masked off where anodization is not desired.

When you need a masking tape for Anodization, we have the tapes to get the job done.

Each tape is specifically designed and tested to perform in the harshest conditions required for each application.



Good initial tack and holding strength



Chemical resistant – excellent chemical resistance to a variety of bath chemistries. Tape solution for Chromic anodizing



One-piece, clean removal – clean removal in one piece post processing



Transparent – transparent tape for easy positioning (8985L, 8992)



Sharp paint lines – reduces rework from chemical seepage



Non-silicone (8985L, 8992, 425)



Conformable – excellent conformability in a variety of application conditions (471)



Liner – available with liner for die cutting applications



No fumes or nasty odours

WHY

End User Benefits



Productivity – Quick and easy to apply, comes up easily and cleanly, in one piece. Eliminates cure time of liquid masking



Performance – Designed and tested to perform in the harshest conditions. Help reduce post-process rework



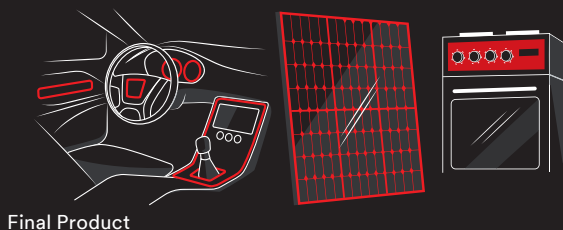
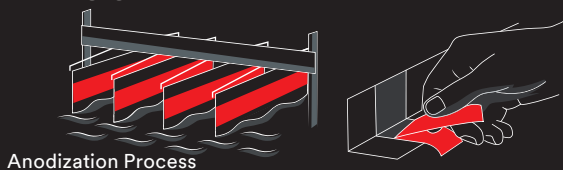
Reliability – Reliable, these tapes work consistently time and time again



Make the job easier – ability to see through tape for positioning and placement, no fumes or nasty odours

APPLICATIONS

Suggested Applications



- Architectural panels
- Control panels
- Solar panel assemblies
- Landing gear
- Stair railings
- Wheel covers
- Auto interior trim
- Hydraulic pump fittings
- Sporting goods

MAKING THE CALL

Qualifying Questions

- Do you do selective anodizing in your facility?
- What is your current method for masking areas you don't want anodized?
- Is there anything you'd like to change about your current maskant?
- Do you have rework related to residue transfer and/or chemical leakage?
- Do you apply primers or paints after the process? If not, where is that being done?
- Is silicone contamination a problem?
- Do you have a non-silicone policy in your facility?

WHO

Target Customers, Personas



- Process Engineer
- Coating Supervisor
- Product Engineer
- Quality Manager
- Production Manager

Functional / emotional needs:

- Productivity
- Make the job easier
- Cost savings
- Reliability

WHERE

Target Market Segments

While anodized parts are used in almost every industry, the actual process is typically sourced to companies that specialize in anodizing.



Construction



Appliance & Electronics



Transportation

- Bus, Truck, Rail and Specialty Vehicle
- Automotive & Aerospace



Metal Working

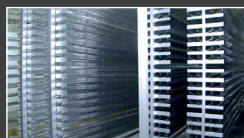
- Metal Surface Treatment

WHERE

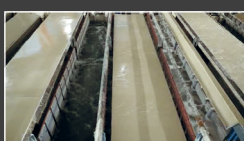
Look for Hints



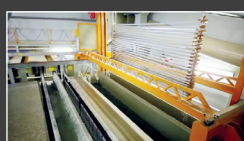
Series of liquid tanks



Rack of parts



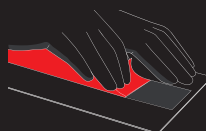
Parts and turbulence



Bath rinse and cycle

HOW

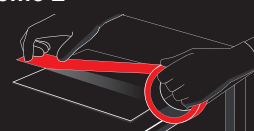
Demo 1



Peel back a small segment of the demo panel

- > Show sharp edges and clean removal

Demo 2



Apply a piece of 8985L or 8992 on a table

- > Notice the instant adhesion
- > Notice the transparency of the tape for easy application

PRODUCT SELECTION

Choose the right Product

Product		Acid					Adhesive	Conformability	Transparent colored tape	Liner version	Key Features
		Chromic	Boric-sulfuric	Phosphoric	Sulfuric & Hardcoat	Tartatic					
	3M™ Anodizing Masking Tape 8985L	✓	✓	✓	✓	✓	Rubber Non Silicon	+	✓	8985L	Designed for Chromic Anodizing
	3M™ Polyester Tape 8992		✓	✓	✓	✓	Silicon	+	✓	8992L	"Go to" product for Anodization masking
	3M™ Aluminium Foil Tape 425		✓	✓	✓	✓	Acrylic Non Silicon	++		427	Ideal for etching properties
	3M™ Vinyl Tape 471		✓	✓	✓	✓	Rubber Non Silicon	+++		4712	When high conformability is required

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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