



3M™ Double Coated Paper Tape 410M

Last Revision Date: May, 2022



Product Description


3M™ Double Coated Paper Tape 410M utilizes a natural rubber adhesive system that offers good to excellent adhesion to many types of surfaces.

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	Additional Information
Adhesive Type	Natural Rubber	
Adhesive Family	860 (3M™ Adhesive 860 is a soft rubber-resin pressure-sensitive adhesive system and features high initial adhesion and good holding power to a wide variety of materials.)	
Adhesive Carrier	Treated Paper	
Liner	Paper	
Liner Thickness	0.075 mm	
Color	Off-White	
Liner Color	Green Plaid	View 
Test Name: Primary		
Total Tape Thickness (mil)	6 mil	View 
Test Method: ASTM D3652		

Total Tape Thickness (mm)	0.15 mm	View 
Test Method: ASTM D3652		
Liner Print	Green Plaid	
Liner Thickness	3 mil	

Typical Performance Characteristics

Property	Values	Additional Information
Short Term Temperature Resistance	180 °F	
Short Term Temperature Resistance	82 °C	
Long Term Temperature Resistance	66 °C	
Long Term Temperature Resistance	150 °F	
Solvent Resistance	Medium	
UV Resistance	Good	
90° Peel Adhesion Stainless Steel	50 oz/in	View 
Test Method: ASTM D3330		
Test Name: 90° Peel Adhesion		
Dwell/Cure Time: 72.0		
Dwell Time Units: hr		
Temp C: 23C		
Temp F: 72F		
Environmental Condition: 50%RH		
Substrate: Stainless Steel		
Backing: 2 mil PET		
Notes: 12 in/min (300 mm/min)		
90° Peel Adhesion Stainless Steel	5.6 N/cm	View 
Notes: 12 in/min (300 mm/min) ASTM D3330 72 hour dwell on Stainless Steel at 23°C (72°F) and 50% RH Backing: 2 mil Polyester		
Environmental Resistance	This product uses a solvent free manufacturing process.	

Available Sizes

Please contact your 3M sales representative or contact 3M customer service at 1-800-362-3550 for details on available sizes.

Storage and Shelf Life

Store in original cartons at 70°F (21°C) and 50% relative humidity.

If stored under proper conditions, product retains its performance and properties for 18 months from date of manufacture.

Recognition/Certification

MSDS: 3M has not prepared MSDSs for these products which are not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, these products should not present a health and safety hazard. However, use or processing of the products in a manner not in accordance with the directions for use may affect their performance and present potential health and safety hazards.

TSCA: These products are defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

Bottom Matter

3M

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Trademarks

3M is a trademark of 3M Company.

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Handling/Application Information

Application Examples

- Splicing and core starting of papers, foils, films, fabrics etc.
- Mounting rubber or photopolymer printing plates to print cylinders.
- Attaching of golf club grips.
- Temporary holding while parts are being finished in the milling process.

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact. Firm application pressure helps ensure better adhesive contact and improve bond strength. To obtain optimum adhesion, the bonding surfaces must be clean, dry, and uniform. Some typical surface cleaning solvents are isopropyl alcohol or heptane.* Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

*Note: When using solvents, extinguish all ignition sources, including pilot lights, and follow the manufacturer's precautions and directions for use.

Application Equipment

For additional dispenser information, contact your local 3M sales representative, or the toll free 3M sales assistance number at 1-800-362-3550.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40070495/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=410M

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Information

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