English-EU
Last Revision Date: September, 2024
Supersedes: June, 2024

Technical Data Sheet

3M™ Double Coated Paper Tape 410M

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

Attribute Name	Value
Adhesive Family	860 (3M™ Adhesive 860 is a soft natural rubber-resin pressure-sensitive adhesive system and features high initial adhesion and good holding power to a wide variety of materials.)

Attribute Name	Test Method	Value
Color		Off-White
Adhesive Carrier		Treated Paper
Total Tape Thickness	ASTM D3652	0.15 mm
Liner		54# Densified Kraft Paper
Liner Print		Green Plaid
Liner Thickness		0.075 mm
Primary Liner Color		Green Plaid

Typical Performance Characteristics

90° Peel Adhesion

Substrate: Stainless Steel
Temperature: 23 °C
Dwell Time: 72 h
Backing: 2 mil PET
Test Method: ASTM D3330

Value
50 oz/in [1]
5.6 N/cm [1]

[1] 304 mm/min (12 in/min)

Attribute Name	Value
Short Term Temperature Resistance	82 °C [1]
Long Term Temperature Resistance	66 °C [2]

[1] Short Term (minutes, hour)
[2] Long Term (day, weeks)

Typical Environmental Performance

Attribute Name	Value
Solvent Resistance	Medium
UV Resistance	Good

Typical Environmental Characteristics

Environmental Resistance

This product uses a solvent free manufacturing process.

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 office.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes - Detailed

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

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.

Automotive Disclaimer

Select Automotive Applications:
This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

Information

Precautionary Information: Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information, please contact your local 3M Office. You can click or scan QR code to see contact detail or visit www.3M.com Important Information: All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors 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 or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law. Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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