English-EU
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Technical Data Sheet

3M™ High Performance Double Coated Tape 9087

Product Description

3M™ Double Coated Tapes with 3M™ Adhesive 375 provides a high level of adhesive peel and shear performance. The adhesive system used on these products provides good adhesion to both high and low surface energy substrates. The excellent initial tack ensures that a bond of good integrity is achieved soon after application.

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	Test Method	Value
Color		White
Adhesive Type		Modified Acrylic
Adhesive Carrier		PVC
Carrier Thickness		0.038 mm
Total Tape Thickness	ASTM D3652	0.26 mm
Liner		Paper (Glassine)
Liner Thickness		0.07 mm
Primary Liner Color		White with Green 3M Logo

Typical Performance Characteristics

180° Peel Adhesion

Temperature: 23 °C
Test Condition: Faceside
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Substrate	Value
ABS	16 N/cm [1]
Glass	18 N/cm [1]
High Density Polyethylene (HDPE)	9 N/cm [1]
High Pressure Laminate	13 N/cm [1]
Polycarbonate (PC)	16 N/cm [1]
Stainless Steel	16 N/cm [1]

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

Static Shear

Test Method: ASTM D3654

Temperature	Test Condition	Value
23 °C	1000 g	10,000 min [1]
70 °C		10,000 min [1]

[1] 25 x 25 mm (1 in x 1 in) sample area, test terminated after 10,000 minutes

Attribute Name	Value
Short Term Temperature Resistance	85 °C [1]
Long Term Temperature Resistance	70 °C [2]

[1] Short Term (minutes, hour)

[2] Long Term (day, weeks)

Attribute Name	Value
Plasticizer Resistance	Good [1]

[1] It is suggested that an evaluation is conducted prior to use to ensure compatibility. Dwell of 10 days at 70 °C (158 °F) will usually accelerate any potential plasticizer problems. Plasticizers typically found in materials like PVC and some rubbers.

Typical Environmental Performance

Attribute Name	Value
Solvent Resistance	Good
UV Resistance	Excellent

Handling/Application Information

Application Examples

- POP Displays
- Plastic Extrusions
- Metal Fabrication
- Blister Packs and Packaging
- Sports Equipment
- Badge and Nameplates
- Indoor/Outdoor Signs
- Fabric and Leather Stitching
- Blind Manufacturers
- Print Finishing
- Furniture Trim
- Splicing

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 24 months from date of manufacture.

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.

3M™ Centre
Cain Rd, Binfield, Bracknell RG12 8HT, United Kingdom
3m.co.uk/iatd