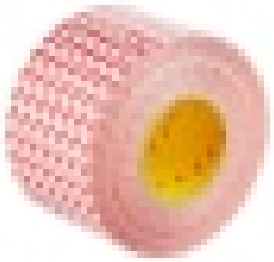

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English-EU

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Technical Data Sheet

3M™ Double Coated Tape GPT-020

Product Description

3M™ Double Coated Tape GPT-020 is an 8 mil thick, double sided tape utilizing a modified acrylic adhesive with polyester carrier and a paper liner.

Product Features

- High adhesion to a variety of high and low surface energy substrates
- High initial tack
- High shear and temperature resistance
- Easy handling and converting due to polyester carrier
- General Purpose Tape (GPT)
- High thermal and humidity resistance

Typical Physical Properties

Attribute Name	Test Method	Test Condition	Value
Color			Clear
Adhesive Type			Modified Acrylic
Adhesive Carrier			PET
Adhesive Thickness		Faceside	0.095 mm [1]
Carrier Thickness			0.012 mm
Adhesive Thickness		Backside	0.095 mm [2]
Total Tape Thickness	ASTM D3652		0.202 mm
Liner			Polycoated Kraft, Red 3M Logo on White Background
Liner Print			3M
Liner Thickness			0.1 mm

[1] Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.

[2] Backside adhesive is on the exterior of the roll, exposed when liner is removed.

Typical Performance Characteristics

180° Peel Adhesion

Temperature: 23 °C
Dwell Time: 72 h
Test Method: ASTM D3330

Substrate	Value
ABS	10.86 N/cm [1]
Glass	11.79 N/cm [1]
Polycarbonate (PC)	12.32 N/cm [1]
Polypropylene (PP)	12.26 N/cm [1]
Stainless Steel	11.3 N/cm [1]

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

Attribute Name	Test Method	Temperature	Test Condition	Value
Static Shear	ASTM D3654	23 °C	1000 g	>10,000 min [1]
Static Shear	ASTM D3654	70 °C		>10,000 min [2]
Shear Adhesion Failure Test - SAFT				500g >190 °C, 1000G>160 °C [3]

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

[2] 13 x 25 mm (0.5 x 1 in) sample area, test terminated at 10,000 minutes

[3] SAFT Shear Adhesion Failure Test with birch plywood, 25 mm (1 in) overlap, 100 g used, temperature start at 32 °C (90 °F) and ramped 5.5 °C (10 °F) every 10 min. until complete failure.

Attribute Name	Value
Short Term Temperature Resistance	160 °C [1]
Long Term Temperature Resistance	90 °C [2]

[1] Short Term (minutes, hour)

[2] Long Term (day, weeks)

Typical Environmental Performance

Attribute Name	Value
UV Resistance	Excellent

Handling/Application Information

Application Examples

- Point of purchase displays (POP)
- Indoor/Outdoor signage and banners
- Bonding and mounting of sales displays and billboards.
- Paper bonding and packaging
- Splicing
- Mounting of plastic parts
- Mounting of furniture and decorative trims
- Fixing of decorative trims and emblems.

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.

Certificate of Analysis (COA)

Available upon request.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577

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.

Important Notice

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

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