



Technical Data Sheet

3M™ Double Coated Tape GPT-020F -
PRELIMINARY



[Product Details](#)

Product Description

Preliminary Technical Data Sheet

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

Product Features

- High adhesion to a variety of substrates
- High initial tack
- High shear and temperature resistance
- Easy handling and converting due to polyester carrier
- Polypropylene Liner for clean handling and automatic unwinding
- General Purpose Tape (GPT)

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 (3.75 mil) ¹
Carrier Thickness			0.012 mm (0.47 mil)
Adhesive Thickness		Backside	0.095 mm (3.75 mil) ²
Total Tape Thickness	ASTM D3652		0.202 mm (7.95 mil)
Liner			Polypropylene film, White with Red 3M Logo
Liner Print			3M
Liner Thickness			0.1 mm (3.9 mil)

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 (73 °F)

Dwell Time: 72 h

Backing: 2 mil PET

Test Method: ASTM D3330

Substrate	Value
Stainless Steel	11.8 Nm/cm (106 oz/in) ¹
ABS	12.3 N/cm (110 oz/in) ¹
Polycarbonate (PC)	14.6 N/cm (131 oz/in) ¹
Polypropylene (PP)	13.5 N/cm (121 oz/in) ¹
Glass	12.9 N/cm (116 oz/in) ¹

¹ 300 mm/min (12 in/min)

Substrate: Stainless Steel
 Dwell Time: 72 h
 Backing: 2 mil Aluminum Foil

Attribute Name	Test Method	Temperature	Test Condition	Value
Static Shear	ASTM D3654	23 °C (73 °F)	1000 g	10,000 min ¹
Static Shear	ASTM D3654	70 °C (158 °F)	500 g	10,000 min ¹
Static Shear	ASTM D3654	93 °C (200 °F)	500 g	10,000 min ¹
Shear Adhesion Failure Test - SAFT	PSTC 17		1000 g	146 °C (295 °F) ²
Shear Adhesion Failure Test - SAFT	PSTC 17		500 g	202 °C (395 °F) ²

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

² 25 x 25 mm (1 in x 1 in) Area Contact

Attribute Name	Value
Short Term Temperature Resistance	149 °C (300 °F) ¹
Long Term Temperature Resistance	93 °C (200 °F) ²

¹ Short Term (minutes, hour)

² Long Term (day, weeks)

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

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.

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