



Technical Data Sheet

3M™ Double Coated Tape GPT-020



[Product Details](#)

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 (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 | | | Polycoated Kraft, Red 3M Logo on White Background |
| 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: 22 °C (72 °F)

Dwell Time: 72 h

Test Method: ASTM D3330

| Substrate | Value |
|--------------------|-------------------------------------|
| ABS | 10.86 N/cm (99 oz/in) ¹ |
| Glass | 11.79 N/cm (108 oz/in) ¹ |
| Polycarbonate (PC) | 12.32 N/cm (113 oz/in) ¹ |
| Polypropylene (PP) | 12.26 N/cm (112 oz/in) ¹ |
| Stainless Steel | 11.3 N/cm (103 oz/in) ¹ |

¹ 12 in/min (300 mm/min)

| Attribute Name | Test Method | Temperature | Test Condition | Value |
|------------------------------------|-------------|----------------|----------------|---|
| Static Shear | ASTM D3654 | 22 °C (72 °F) | 1000g | >10,000 min ¹ |
| Static Shear | ASTM D3654 | 70 °C (158 °F) | | >10,000 min ² |
| Shear Adhesion Failure Test - SAFT | | | | 500g >190 °C, 1000G>160 °C (500g >375 °F, 1000G>320 °F) ³ |

¹ 1 in x 1 in sample area, test terminated after 10,000 minutes

² 1/2 in x 1 in sample area, test terminated at 10,000 minutes

³ SAFT Shear Adhesion Failure Test with birch plywood, 1 inch overlap, 100 grams used, temperature start at 90°F and ramped 10°F every 10 min. until complete failure.

| Attribute Name | Value |
|-----------------------------------|------------------------------|
| Short Term Temperature Resistance | 160 °C (320 °F) ¹ |
| Long Term Temperature Resistance | 90 °C (195 °F) ² |

¹ Short Term (minutes, hour)

² Long Term (day, weeks)

Typical Performance Characteristics

| 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

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ISO Statement

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

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