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## 3M™ Double Coated Tape GPT-020F

### Product Description

3M™ Double Coated Tape GPT-020F is an 8 mil thick, double sided tape utilizing a modified acrylic adhesive with polyester carrier and a BOPP (Bi-axially Oriented Polypropylene) film 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
- Bi-axially Oriented Polypropylene (BOPP) Liner for clean handling and automatic unwinding
- General Purpose Tape (GPT)
- High thermal and humidity resistance

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## Typical Physical Properties

Property	Values		Method
Total Tape Thickness	7.95 mil	0.202 mm	ASTM D3652
Carrier Thickness	0.47 mil	0.012 mm	
Liner Print	3M		
Liner Thickness	3.9 mil	0.1 mm	
Shear Adhesion Failure Test - SAFT	500g >190 °C, 1000G>160 °C	500g >375 °F, 1000G>330 °F	
Color	Clear		
Adhesive Type	Modified Acrylic		
Adhesive Carrier	PET		
Liner	Bi-axially Oriented Polypropylene film, White with Red 3M Logo		

Adhesive Thickness		Test Name	Notes
0.095 mm	3.75 mil	Backside	Backside adhesive is on the exterior of the roll, exposed when liner is removed.
0.095 mm	3.75 mil	Faceside	Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.

Property: Adhesive Thickness

## Typical Performance Characteristics

Property	Values		Test Condition	Method	Notes
Short Term Temperature Resistance	330 °F	160 °C	Short Term (minutes, hour)		
Long Term Temperature Resistance	176 °F	80 °C	Long Term (day, weeks)		
Static Shear	>10,000 min		1000 g @ Room Temperature	ASTM D3654	1 in <sup>2</sup> sample size
Static Shear	>10,000 min		500 g @ 70°C (158°F)	ASTM D3654	0.5 in <sup>2</sup> sample size
UV Resistance	Excellent				

**Typical Performance Characteristics (continued)**

180° Peel Adhesion		Substrate
12.32 N/cm	113 oz/in	Polycarbonate (PC)
10.86 N/cm	99 oz/in	ABS
12.26 N/cm	112 oz/in	Polypropylene (PP)
11.79 N/cm	108 oz/in	Glass
11.3 N/cm	103 oz/in	Stainless Steel

Property: 180° Peel Adhesion  
 Method: ASTM D3330  
 Dwell/Cure Time: 72  
 Dwell Time Units: hr  
 Temp C: 23C  
 Temp F: 72F  
 Environmental Condition: 50%RH  
 notes: 12 in/min (300 mm/min)

**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**

It is suggested that products are stored at room temperature conditions of 70°F (21°C) and 50% relative humidity. If stored properly, product retains its performance and properties for 18 months from date of manufacture. Note: The shelf life may be shortened if the original packaging is not properly sealed or stored in an environment with high temperatures or humidity.

**Certificate of Analysis (COA)**

Available upon request.

**Trademarks**

3M is a trademark of 3M Company.

**References**

**3m.com Product Page**

[https://www.3m.com/3M/en\\_US/company-us/all-3m-products/~/3M-Double-Coated-Tape-GPT-020FX/?N=5002385+3288763148&rt=rud](https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Double-Coated-Tape-GPT-020FX/?N=5002385+3288763148&rt=rud)

**ISO Statement**

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