

Technical Data Sheet

3M™ Double Sided Adhesive Tapes GPT-020F & GPT-020

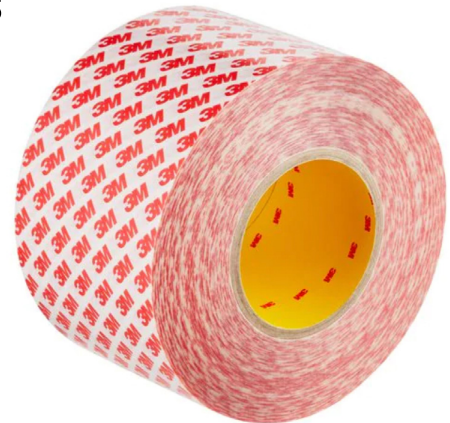
English

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3M™ Double Sided Adhesive Tapes

GPT-020F & GPT-020



Product Description

GPT-020F and GPT-020 are double sided adhesive tapes with polyester carrier and modified acrylic adhesive. GPT-020F has filmic liner and GPT-020 has PCK paper liner



Key Features

- High adhesion to nearly every high and low surface energy substrate
- High initial tack
- All-purpose tape
- High shear and temperature resistance
- Easy handling and converting due to polyester carrier
- Film liner version for clean handling and automatic unwinding activities



Application Ideas

- Self-adhesive mounting of furniture trim, sealing profiles and cable ducts.
- Bonding and mounting of sales displays and billboards.
- Fixing of decorative trims and emblems.

	GPT-020F	GPT-020
Adhesive	Modified acrylic	Modified acrylic
Adhesive side open face ¹	0,094 mm	0,094 mm
Carrier	PET 0,012 mm - transparent	PET 0,012 mm - transparent
Adhesive back side ²	0,094 mm	0,094 mm
Total thickness without liner	0,200 mm	0,200 mm
Liner	Polypropylene film liner , white with red logo print (0,100 ± 0,010 mm)	PCK paper liner, white with red logo print (0,100 ± 0,010 mm))

¹The open face side is visible, when unwinding the roll.

² The back side is visible after removal of the liner.

Calipers are average values. Calculation of the adhesive caliper based on an average density of 1,012 g/ cm³.



Performance Characteristics

Peel Adhesion according to FINAT FTM1

after 72 h at RT, angle: 180°, Haul-off speed: 300 mm/min., (0,05 mm PET-Film)

Substrate	Values
Stainless Steel	11,3 N / cm
ABS	10,9 N / cm
Polycarbonate	12,3 N / cm
Polypropylene	12,3 N / cm
Glass	11,8 N / cm

Static Shear Resistance according to FINAT FTM8

Stainless steel substrate, sample size 25,4 mm x 25,4 mm

Weight	Temperature	Minutes
1000 g	Room Temperature	> 10 000 min.
500 g	90 °C	> 10 000 min.

Temperature Performance: acc. to SAFT

PSTC 17, 40 °C to 205 °C, 0,5 °C / min., sample size 25,4 mm x 25,4 mm

Weight	Temperature
1000 g	> 160 °C*
500 g	> 190 °C*

*Temperature performance test done for GPT-020F



Storage and Shelf Life

Store at 15 °C–25 °C and 40–60 % relative humidity in its original box. The product can be stored up to 18 months after date of manufacturing. The shelf life may be shortened if the original packaging is not properly sealed or stored in an environment with high temperatures or humidity



Tests and Tools

Further Test Reports and Certifications

3M can offer extended data for different test conditions and substrates, as well as certifications. Please get in touch with your 3M Sales Rep or Application Engineer. Please contact your local 3M Office, you can click or scan QR code to see contact detail or visit www.3M.com

3M™ Material Data Card (MDC) for Finite Element Analysis (FEA)

FEA modelling is a tool that helps design engineers determine the right adhesive system for the application requirements. 3M can offer elastic-plastic modeling data at different strain rates for most of our adhesives. We also recognize and support other modeling conditions and methods. Please click or scan QR code to request 3M Material Data Card for your modelling.

3M™ Bonding Process Center

3M™ Bonding Process Centers around the world can address application challenges. Please click or scan QR code to schedule in person or virtual visit to try new innovations in dispensing and automation to find customized solutions for production challenges.



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