High peel DC PET tape

GTM705P(BP)/GTM708P(BP)GTM710P(BP) GTM715P(BP)/GTM720P(BP)/GTM725P(BP)

Preliminary Technical data **Sep. 2018**

Product description

3M GTM7plus series are double coated pressure sensitive adhesive products. Acrylic pressure sensitive adhesive is coated on both sides of flexible PET film.

Product construction

Product	Faceside adhesive thickness (mm)	Carrier thickness (mm)	Backside adhesive thickness (mm)	Liner thickness (mm)	Tape total thickness(mm) exclude liner	Liner color
GTM705P	0.022	Clear PET 0.006	0.022	PCK liner 0.14	0.05	White PCK grey 3M logo
GTM708P	0.034	Clear PET 0.012	0.034	PCK liner 0.14	0.08	White PCK grey 3M logo
GTM710P	0.044	Clear PET 0.012	0.044	PCK liner 0.14	0.1	White PCK grey 3M logo
GTM715P	0.0625	Clear PET 0.025	0.0625	PCK liner 0.14	0.15	White PCK grey 3M logo
GTM720P	0.0875	Clear PET 0.025	0.0875	PCK liner 0.14	0.2	White PCK grey 3M logo
GTM725P	0.106	Clear PET 0.038	0.106	PCK liner 0.14	0.25	White PCK grey 3M logo

Product	Faceside adhesive thickness (mm)	Carrier thickness (mm)	Backside adhesive thickness (mm)	Liner thickness (mm)	Tape total thickness(mm) exclude liner	Liner color
GTM705BP	0.0175	Black PET 0.015	0.0175	PCK liner 0.14	0.05	White PCK grey 3M logo
GTM708BP	0.0325	Black PET 0.015	0.0325	PCK liner 0.14	0.08	White PCK grey 3M logo
GTM710BP	0.0425	Black PET 0.015	0.0425	PCK liner 0.14	0.1	White PCK grey 3M logo
GTM715BP	0.0625	Black PET 0.025	0.0625	PCK liner 0.14	0.15	White PCK grey 3M logo
GTM720BP	0.0875	Black PET 0.025	0.0875	PCK liner 0.14	0.2	White PCK grey 3M logo
GTM725BP	0.106	Black PET 0.038	0.106	PCK liner 0.14	0.25	White PCK grey 3M logo

Note: Backside adhesive is on the interior of the roll, exposed when unwound
Faceside adhesive is on the exterior of the roll, exposed when liner is removed.

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Adhesion performance

180 degree peel strength (N/mm)

ASTM D3330-180 degree, 2mil PET backing

		SS	PC
GTM705P(BP)	30 min	0.9	0.9
	72 hours	0.95	1
GTM708P(BP)	30 min	1.1	1.2
	72 hours	1.15	1.2
GTM710P(BP)	30 min	1.2	1.3
	72 hours	1.3	1.35
GTM715P(BP)	30 min	1.45	1.5
	72 hours	1.5	1.6
GTM720P(BP)	30 min	1.6	1.6
	72 hours	1.65	1.7
GTM725P(BP)	30 min	1.8	1.8
	72 hours	1.85	1.85

Shear strength-ASTM 3654 **(**1 inch^2 sample size)

1000 grams at 70℃ 500 mins

UV resistance Medium

Relative solvent resistance Medium

Low temperature performance Not recommended to be applied under 10℃.

Shelf life **GTM705P(BP)/GTM710P(BP)/GTM715P(BP)**
24 months from date of manufacture when stored in

original cartons at 21℃ and 50% relative humidity
GTM720P(BP)/GTM725P(BP)
12 months from date of manufacture when stored in original cartons at 21℃ and 50% relative humidity

Application techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improves bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.

Note: Carefully read and follow the manufacturer's precautions and directions for use when working with solvents.

Ideal tape application temperature range is 70°F to 100°F (21°C to38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

Application equipment

To apply adhesives in a wide web format, lamination equipment is required to ensure acceptable quality. To learn more about working with pressure-sensitive adhesives please refer to technical bulletin, Lamination Techniques for Converters of Laminating Adhesives.

For additional dispenser information, contact your local 3M sales representative.

Certification/Recognition

MSDS: 3M has not prepared a MSDS for the products which are not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R.

TSCA: The product are defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

Important notice

3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which 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 of application.

Limitation of remedies and liability

If the 3M product is proved to be defective, The exclusive remedy, at 3M'S option, shall be to refund the purchase price of or to repair or rplace the defective 3M product. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.

ISO 9001

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

3M
3M Maxdo, Xingyi Road 8
Shanghai, PRC.

● 3M 2018