



Cushion-Mount™ Plus Plate

Mounting Tapes

L1820 • L1720 • L1520 • L1020 • L1320 •
L1920 • L1920S • L1220 • L1120

Data Sheet

March 2015
Supersedes: New

Product Description

3M™ Cushion-Mount™ Plus Tapes with Easy Mount Adhesive are designed for mounting flexographic print plates to cylinders or sleeves. This family of foam mounting tapes provides excellent print quality for process, combination, and solid printing. These products are designed to provide easy and clean removal of printing plates across a wide range on printing applications with excellent resistance to plate lifting.

Key Features

- Offers a complete range of foam densities providing excellent print quality from process to combination to solid printing.
- Consistent calliper control allows the printer to use multiple foam densities on a print job to optimize print quality.
- Use of the 3M proprietary Easy Mount liner, creating micro-channels in both adhesive surfaces. The crosshatched pattern creates a continuous and permanent network of micro-channels in the adhesive, allowing air to escape from between the tape and cylinder/sleeve and between the tape and plate.
- The adhesive on the lined side (plate side) of the tape is designed for mounting of photopolymer plates, excellent holding power on-press and clean plate removal when demounting.
- The adhesive on the non-lined side (cylinder side) of the tape is designed for mounting to flexographic printing cylinders or sleeves, providing easy application at mounting and clean removability when demounting.

	3M™ Cushion-Mount™ Plus Firm Combination Printing Tapes L1820	3M™ Cushion-Mount™ Plus Medium Firm Combination Printing Tapes L1720	3M™ Cushion-Mount™ Plus Medium Combination Printing Tapes L1520	3M™ Cushion-Mount™ Plus Firm Combination Printing Tapes L1020	3M™ Cushion-Mount™ Plus Medium Firm Combination Printing Tapes L1320
Adhesive Type	Differential Acrylate	Differential Acrylate	Differential Acrylate	Differential Acrylate	Differential Acrylate
Polyethylene Carrier	Firm Blue Foam	Medium Firm Teal Foam	Medium Purple Foam	Standard White Foam	Medium Soft Yellow Foam
Type of Printing	Combination of solid and line with minimal tone reproduction	Combination of solid and line with tone reproduction and fine reverses	Combination of solid and line with tone reproduction and fine reverses	Combination of solids and tone reproduction where solids and process are equally important	Combination of solids and tone reproduction where process printing is important
Thickness [mm]	0,554	0,554	0,554	0,554	0,554
Application thickness when impressed [mm]	0,508	0,508	0,508	0,508	0,508
Peel Adhesion (Modified ASTM-D3330) [N/100mm] Non-linered side - Composite sleeve	57	57	57	57	57
Peel Adhesion (Modified ASTM-D3330) [N/100mm] Linered side - Photopolymer	6,3	6,3	6,3	6,3	6,3

Physical Properties and Performance Characteristics

	3M™ Cushion-Mount™ Plus Medium Combination Printing Tapes L1920	3M™ Cushion-Mount™ Plus Medium Combination Printing Tapes L1920S	3M™ Cushion-Mount™ Plus Medium Combination Printing Tapes L1220	3M™ Cushion-Mount™ Plus Medium Combination Printing Tapes L1120
Adhesive Type	Differential Acrylate	Differential Acrylate	Differential Acrylate	Differential Acrylate
Polyethylene Carrier	Light Medium Pink Foam	Light Medium Pink Foam	Light Orange	Soft Tan Foam
Type of Printing	Combination of solids and tone reproduction where process printing is important	Combination of solids and tone reproduction where process printing is important	Combination of solids and tone reproduction where process printing is important	Tone reproduction where process printing is important
Thickness [mm]	0,554	0,554	0,554	0,554
Application thickness when impressed [mm]	0,508	0,508	0,508	0,508
Peel Adhesion (Modified ASTM-D3330) [N/100mm] Non-linered side - Composite sleeve	57	57	57	57
Peel Adhesion (Modified ASTM-D3330) [N/100mm] Linered side - Photopolymer	6,3	6,3	6,3	6,3

Shelf Life	This product has a shelf life of one year from date of manufacture when stored under normal conditions of 16°C to 27°C and 40% to 60% relative humidity in the original carton
-------------------	--

Precautionary Information	Refer to product label and Material Safety Data Sheet for health and safety information before using this product. For information please contact your local 3M Office. www.3M.com
----------------------------------	--

For Additional Information	To request additional product information or to arrange for sales assistance, please call your local sales representative. Address correspondence to: 3M
-----------------------------------	---

Important Notice	All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors 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 or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law.
-------------------------	---

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

3M Bulgaria
Mladost 4
Business Park, bl.4, 2nd floor
Sofia 1766
Bulgaria

3M Česko, spol. s r. o.
V Parku 2343/24
148 00 - Praha 4
Czech Republic

3M East AG
Representation Office Serbia
Airport City
Omladinskih brigada 90B
11070 Belgrade
Serbia

3M (East) AG
Branch Office Croatia
Avenija Većeslava Holjevca 40
10010 Zagreb
Croatia

3M (East) AG
Branch Office Slovenia
Cesta v Gorice 8
1000 Ljubljana
Slovenia

3M (East) AG Representation
Office Tirane
Rruga Sami Frasheri
Pallati i Ri Perxhola Kati 2 Ap2
1000 Albania

3M Hellas MEPE
20 Kifissias Ave.
151 25 Maroussi
Athens
Greece

3M Hungária Kft
Neumann János u. 1/E.
1117 Budapest
Hungary

3M Israel
91 Medinat Hayehudim St.
Herzliya
Israel

3M Poland Sp. z o.o.
Aleja Katowicka 117 Kajetany
05-830 Nadarzyn
Poland

3M Romania
Bucharest Business Park
12 Menuetului St.
Building D, District 1
013713 Bucharest
Romania

3M Sanayi ve Ticaret A.Ş.
Barbaros Mah., Mor Sümbül
Sok.
No:7/3F, 27-51, Nidakule
Ataşehir Güney
34746 Atasehir, Istanbul
Turkey

3M Slovensko s.r.o.
Polus Tower 2
Vajnorská 142
Bratislava 83104
Slovakia