



English-US
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# **Technical Data Sheet**

3M<sup>™</sup> Cushion-Mount<sup>™</sup> Plus Plate Mounting Tape with Easy Mount Adhesive High Plateside Adhesion E1520H





## **Product Description**

3M<sup>™</sup> Cushion-Mount<sup>™</sup> Plus Plate Mounting Tapes with Easy Mount Adhesive High Plateside Adhesion 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.

### Product Features

• Offers a complete range of foam densities providing excellent print quality from process to combination to solid printing.

Consistent caliper control allows the printer to use multiple foam densities on a print job to optimize print quality.
 Use 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 linered side (plate side) of the tape is designed for mounting of photopolymer plates, excellent holding power on-press with high plateside adhesion and clean plate removal when demounting.

• The adhesive on the non-linered 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.

### **Technical Information Note**

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

## **Typical Physical Properties**

Test Method	Value
	Differential Acrylate
ASTM D3574	465 kg/m <sup>3</sup> (29 lb/ft <sup>3</sup> ) <sup>1</sup>
ASTM D2240	67
	Medium Purple Foam
	0.508 mm (20 mil)
	0.114 mm (4.5 mil)
ASTM D3652	0.559 mm (22 mil)
	± 0.038 mm (± 1.5 mil)
	± 0.01 mm (± 0.4 mil)
	180 kPa (26 lb/in²)
	276 kPa (40 lb/in <sup>2</sup> )
	Combination of solid and line with tone
	reproduction and fine reverses
	x
	ASTM D3574 ASTM D2240

<sup>1</sup> Foam with adhesive

## **Typical Performance Characteristics**

#### 90° Peel Adhesion

Temperature: 23 °C (73 °F) Test Condition: Non-Linered Side Test Method: ASTM D3330

Substrate	Value
Composite Sleeve	7.1 N/cm (65 oz/in) <sup>1</sup>
Photopolymer	7.7 N/cm (70 oz/in) <sup>2</sup>
Polyester (PET)	7.5 N/cm (68 oz/in) <sup>1</sup>
Stainless Steel	6 N/cm (55 oz/in) <sup>1</sup>
Urethane - A	7.7 N/cm (70 oz/in) <sup>1</sup>
Urethane - B	6.6 N/cm (60 oz/in) <sup>1</sup>

<sup>1</sup> 304 mm/min (12 in/min)

<sup>2</sup> Linered

Attribute Name	Value
Temperature Resistance	49 °C (120 °F)

## **Typical Environmental Performance**

Attribute Name	Value
Solvent Resistance	Water - Excellent
	Alkanes - Excellent
	Alcohols - Good
	Acetates - Fair

#### 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 24 months from date of manufacture.

## Available Sizes

Attribute Name	Value
Maximum Available Width	1371.6 mm (54 in)
Minimum Available Width	50.8 mm (2 in)
Normal Slitting Tolerance	± 0.794 mm (± 1/32 in)
Standard Roll Length	22.9 m (25 yd)

#### **Information**

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#### **ISO Statement**

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