



Flexographic Systems

Cylinder Mount Build-Up Tape

1620•1640

Technical Data

July, 1995

Product Description 3M™ Cylinder Mount tape is a single-coated tape on a translucent, non-compressible vinyl carrier

Product Features This product is designed for building-up print cylinder diameter to help meet press undercut and pitch diameter requirements. Any 3M Flexcomount™, Cushion-Mount™, or Cushion-Mount™ Plus mounting tape can be mounted to the non-linered side of Cylinder Mount tape. Cylinder Mount tape allows the printer to use thinner printing plates without changing plate mounting tape thickness or press modifications.

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

	Tape 1620	Tape 1640
Adhesive:	Acrylic	Acrylic
Carrier:	Vinyl (Clear)	Vinyl (Clear)
Liner:	Paper	Paper
Tape Thickness:	0.020 in 0.50 mm	0.040 in 1.02 mm
Overall Thickness Tolerance:	± 0.0015 in ± 0.038 in.	± 0.0015 in ± 0.038 in.
Typical Application Area Thickness Tolerance*:	± 0.0005 in. ± 0.013 mm	± 0.0005 in. ± 0.013 mm
Roll Length:	25 yards 22.8 m	50 yards 15.2 m
Standard Roll Width:	18 in. 457.2 mm	36 in. 914.4 mm
Master Roll Width:	36 in. 914.4 mm	36 in. 914.4 mm
Peel Adhesion to Steel, 24 hr. Dwell (ASTM D-3330)''	50 oz./in. 55N/ 100mm	50 oz./in. 55N/ 100mm
Durometer (ASTM-D2240):	90 Shore A	90 Shore A
Density:	70 lb/ft ³ 1060 kg/m ³	70 lb/ft ³ 1060 kg/m ³

*Typical Application Area: 18 in × 6ft = 10 yd², 457.2 mm × 1828.8mm = 038361 m².

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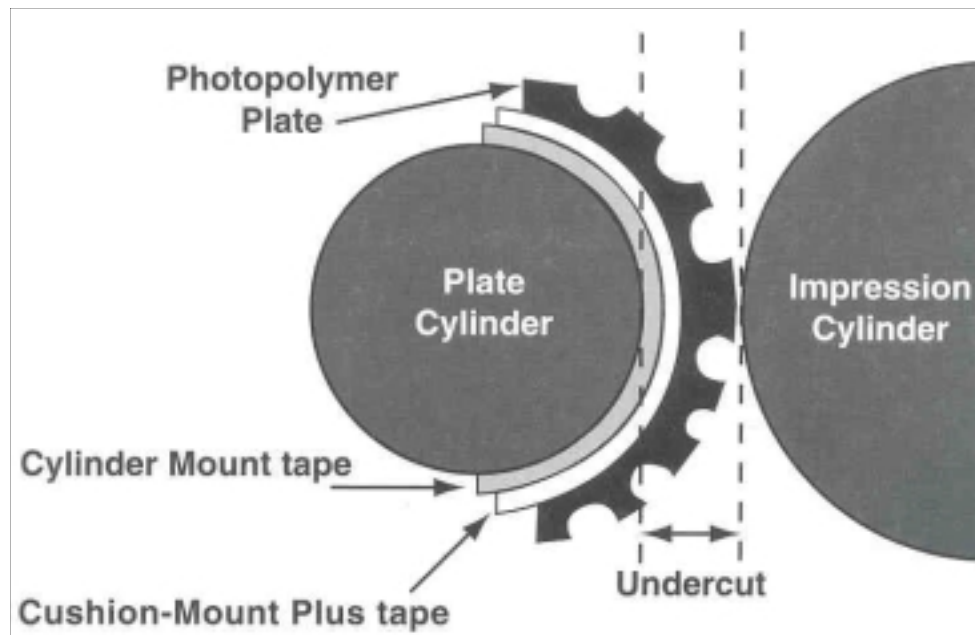
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What is Cylinder Mount tape?

Cylinder Mount tape is a single coated vinyl tape which allows the flexographic printer to take advantage of the print quality improvement of thinner plates without the costly investment of new cylinders, gnars or sleeves.

Cylinder Mount tape is mounted on existing print cylinders. Any 3M Flexomount™, Cushion-Mount™, or Cushion-Mount™ Plus mounting tape can then be mounted on the Cylinder Mount tape. This effectively increases the diameter of the print cylinder to allow the printer to reduce thickness and realize the print quality improvements.



Application Ideas

Selecting a mounting system thickness will depend on the press configuration as well and the plate thickness being used. The following chart describes typical tape thickness and plate thickness combinations.

		0.125 " Undercut (3.18 mm)					.085 " Undercut (2.16 mm)			.080 " Undercut (2.03 mm)	
Plate	1.07 (2.27 mm)	.067 " (0.70 mm)	.067 " (1.70 mm)	.067 " (1.70 mm)	.045 " (1.14 mm)	.045 " (1.14 mm)	.067" (1.70 mm)	.045" (1.14 mm)	.045" (1.14 mm)	.067" (1.70 mm)	.045" (1.14 mm)
Mounting Tape		0.60 " (1.52 mm)	0.40 " (1.0 mm)	0.20 " (0.5 mm)	0.60 " (1.52 mm)	0.40 " (1.0 mm)		0.40" (1.0 mm)	0.20" (0.5 mm)		0.20" (0.5 mm)
Cylinder Mount Tape	0.2 " (0.5 mm)										
			1620	1640	1620	1640			1620		1620

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For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. Address correspondence to : 3M Industrial Tape and Specialties Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 612-736-4776. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 525-728-2180 1-800-793-6326.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

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