

3M™ Flexographic Plate Mounting Systems Selection Guide

	Product Number	Application Thickness Inches (mm)		Manufactured Target Thickness Inches (mm)		Description	Plates	Cylinders	Color	Features			
3M™ Solid Printing Tapes	3M™ Flexomount™ Solid Printing Tapes (400 Series)												
	411DL	0.015	0.38	0.015	0.38	Gray double coated tape with a soft rubber adhesive on each side of a vinyl carrier. Available in single and double liner.	P/R	SS/S/K	Gray	Gray vinyl products with high adhesion. Helps reduce edge lifting. Helps minimize pin holing on solid work.			
	412DL	0.020	0.51	0.020	0.51		P/R	SS/S/K	Gray				
	447DL	0.010	0.25	0.010	0.25		P/R	SS/S/K	Gray				
	413DL	0.015	0.38	0.015	0.38	Black double coated tape with a firm rubber adhesive on each side of a vinyl carrier. Available in double liner only.	P/R	SS/S/K	Black	Black vinyl - lower adhesion. Higher temperature and solvent resistance. Helps minimize pin holing on solids.			
	414DL	0.020	0.51	0.020	0.51		P/R	SS/S/K	Black				
	3M™ Cushion-Mount™ Solid Printing Tapes (900 Series)												
	933	0.015	0.38	0.017	0.43	Rubber adhesive on each side of a high density elastomeric foam.	P	SS/S/K	Tan	Highest density 3M™ Cushion-Mount™ Tape products. Use for solid and bold line work.			
	939	0.020	0.51	0.022	0.56		P	SS/S/K	Tan				
	949	0.020	0.51	0.022	0.56	Differential adhesive with a high density elastomeric foam.	R	SS/S/K	Tan	Helps reduce cylinder bounce at higher speeds.			
3M™ Combination Printing Tapes	3M™ Cushion-Mount™ Plus Firm Combination Printing Tapes (18 Series)												
	E1815H, E1815, 1815M	0.015	0.38	0.017	0.43	Differential acrylate adhesive system on each side of a foam carrier, protected by a release liner on one side.	P	SS/S/K	Blue	Better solid ink density than the standard combination printing tapes. Clean removal from plate and print cylinder.			
	E1820H, E1820, 1820M	0.020	0.51	0.022	0.56		P	SS/S/K	Blue				
	3M™ Cushion-Mount™ Plus Medium Firm Combination Printing Tapes (17 Series)												
	E1715H, E1715,	0.015	0.38	0.017	0.43	Differential acrylate adhesive system on each side of a foam carrier, protected by a release liner on one side.	P	SS/S/K	Teal	Quality results when plate contains slightly more solids in a combination of solid and halftone images.			
	E1720H, E1720, 1720M	0.020	0.51	0.022	0.56		P	SS/S/K	Teal				
	3M™ Cushion-Mount™ Plus Medium Combination Printing Tapes (15 Series)												
	E1515, E1515H	0.015	0.38	0.017	0.43	Differential acrylate adhesive system on each side of a foam carrier, protected by a release liner on one side.	P	SS/S/K	Purple	High quality, medium combination print. Adhesive removes cleanly from the print plate and the print cylinder. Air release on both adhesive surfaces.			
	E1520, E1520H	0.020	0.51	0.022	0.56		P	SS/S/K	Purple				
	3M™ Cushion-Mount™ Plus Standard Combination Printing Tapes (10 Series)												
	E1015H, E1015, 1015, 1015M	0.015	0.38	0.017	0.43	Differential acrylate adhesive system on polyethylene foam.	P	SS/S/K	White	Most versatile 3M™ Cushion-Mount™ Plus products. Effectively prints most types of flexographic printing.			
	E1015-15H, E1015-15, 1015-15	0.015	0.38	0.015	0.38		P	SS/S/K	White				
	E1020H, E1020, 1020, 1020M	0.020	0.51	0.022	0.56		P	SS/S/K	White				
	E1020-20H E1020-20, 1020-20	0.020	0.51	0.020	0.51		P	SS/S/K	White				
	1020R	0.020	0.51	0.022	0.56		P/R	SS/S/K	White				
	E1040, E1040H, 1040	0.040	1.02	0.042	1.07		P	SS/S/K	White				
	E1060, E1060H, 1060	0.060	1.52	0.062	1.57		P	SS/S/K	White				
	3M™ Cushion-Mount™ Plus Medium Combination Printing Tapes (13 Series)												
	E1315, E1315H	0.015	0.38	0.017	0.43		Differential acrylate adhesive system on each side of a foam carrier, protected by a release liner on one side.	P	SS/S/K		Yellow	High quality, medium-soft combination print. Adhesive removes cleanly from the print plate and the print cylinder. Air release on both adhesive surfaces.	
	E1320, E1320H	0.020	0.51	0.022	0.56			P	SS/S/K		Yellow		

E - Air Release Medium Plate Side Adhesion EH - Air Release High Plate Side Adhesion S - Urethane Sleeve M - Modified Plate Side Adhesion
DL - Double Liner R - For Rubber Plates K - Composite Sleeve SS - Stainless Steel Cylinder P - Photopolymeric Plate

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

3M™ Flexographic Plate Mounting Systems Selection Guide (continued)

	Product Number	Application Thickness Inches (mm)		Manufactured Target Thickness Inches (mm)		Description	Plates	Cylinders	Color	Features
3M™ Comb. Tapes (cont.)	3M™ Cushion-Mount™ Plus Soft Combination Printing Tapes (19 Series)									
	E1915H, E1915, 1915M	0.015	0.38	0.017	0.43	Differential acrylate adhesive system on each side of a foam carrier, protected by a release liner on one side.	P	SS/S	Pink	Soft support improves tone reduction when process and halftone images predominate.
	E1920H, E1920, 1920M	0.020	0.51	0.022	0.56		P	SS/S	Pink	
	E1920S, 1920S, E1920HS	0.020	0.51	0.022	0.56		P	S/K	Pink	
3M™ Process Printing Tapes	3M™ Cushion-Mount™ Plus Process Printing Tapes (11 Series)									
	E1115H, E1115, 1115	0.015	0.38	0.017	0.43	Differential acrylate adhesive system on low-density polyethylene foam.	P	SS/S	Tan	Better tone reproduction than the standard combination printing tapes.
	E1115-15H, E1115-15, 1115-15	0.015	0.38	0.015	0.38		P	SS/S	Tan	
	E1120H, E1120, 1120	0.020	0.51	0.022	0.56		P	SS/S	Tan	
	E1120-20H, E1120-20, 1120-20	0.020	0.51	0.020	0.51		P	SS/S	Tan	
	1120K	0.020	0.51	0.022	0.56		P	S/K	Tan	

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DL - Double Liner R - For Rubber Plates K - Composite Sleeve SS - Stainless Steel Cylinder P - Photopolymeric Plate

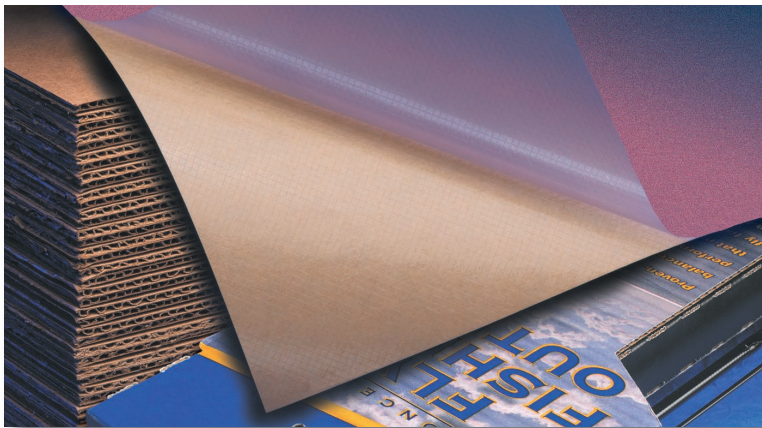
3M™ Thin Tapes

When a thicker caliper or cushion is unnecessary, these tapes can mount both rubber and photopolymer plates. Some are also repositionable.

Product Number	Tape Thickness Inch (mm)	Description	Compressible Sleeves	Corrugated	Rotary Letterpress	Make Ready	Features
415	0.004" (0.10)	Double coated tape with a medium-firm acrylic adhesive on each side of a polyester carrier.		X	X		Good adhesion to a wide range of surfaces; can be used for Cameron Press applications.
442KW	0.004" (0.10)	Double coated tape with a firm rubber adhesive on each side of a polyester carrier.		X	X		Plate mounting applications requiring a thin tape to bond rubber or photopolymer plates to metal cylinders.
927	0.002" (0.05)	Acrylic adhesive transfer tape.		X		X	Corrugated plate mounting applications where repositionability and removability are not required.
950	0.005" (0.13)	Acrylic adhesive transfer tape		X			Corrugated plate mounting applications where repositionability and removability are not required.
2205	0.005" (0.13)	Double coated film tape with differential acrylic adhesive on a polyester film carrier.		X			Adhesives designed specifically for corrugated flexo mounting. Removes cleanly and easy to reposition.
9500	0.005" (0.13)	High performance acrylic adhesive on each side of a polyester carrier.	X		X		Thin tape plate mounting applications.

All tapes listed on this chart have been used successfully on non-compressible sleeves.

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Designed specifically for flexographic printing on corrugated board, 3M Thin Flexographic Mounting Tape 2205 is a 5-mil double-coated polyester film tape with cross-hatched adhesive. The cross hatching reduces air entrapment, saving time and improving print quality.