3M Polyethylene Tape 5421 • 5423

Product Description Product Construction	3M [™] Polyethylene Tape 5421 and 5423 has a rubber adhesive which provides an excellent abrasion resistant surface.					
	Backing	Adhesiv	e Liner	Color	Standard Roll Length	
	Ultra-high molecular weight polyethylene	Rubber	60# densified kraf	Translucent t	18 yds. (16.4 m)	
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.					
					ASTM Test Method	
	3M tape 5421					
	Adhesion to Steel:		26 oz./in width (28 N/100 mm)		D-3330	
	Tensile Strength:		30 lbs./in. width (526 N/100 mm)		D-3759	
	Elongation at Break:		275%		D-3759	
	Backing Thickness:		5.0 mils (0.13 mm)		D-3652	
	Total Tape Thickness: (without liner)		6.7 mils (0.17 mm)		D-3652	
	Liner Thickness:		3.5 mils (0.09 mm)		D-3652	
	Temperature Use Range: -30° to 225°F (-34° to 107°C)					
	3M tape 5423					
	Adhesion to Steel:		26 oz./in width (28 N/100 mm)		D-3330	
	Tensile Strength:			D-3759		
	Elongation at Break: 300%		D-3759			
	Backing Thickness:		10 mils (0.25 mm)		D-3652	
	Total Tape Thickness: (without liner)		I.7 mils (0.30 mm)		D-3652	
	Liner Thickness:		3.5 mils (0.09 mm)		D-3652	
	Temperature Use Ran	ge: -3	-30° to 225°F (-34° to 107°C)			
Features	 Thick caliper UHMW polyethylene tape for extended service life as a protective surface against extreme wear. UHMW polyethylene is a thermoplastic that has a unique combination of propertie which make it ideal for many tough impact wear or sliding applications. Liner makes it ideal for fabricating or die-cutting into various lengths and shapes Outstanding abrasion resistance so will outwear many types of PTFE and other materials in sliding applications. Low coefficient of friction exceeded only by the PTFE's. Self-lubricating so can often be used where lubrication is not possible because of contamination. Sound damping for high energy absorption capacity helps reduce noise levels in 					

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Application Ideas	• Conveyor flat guide rails	• Spray booth liners			
	• Discharge chutes	• Tank and bin liners			
	• Doctor blades	 Drawer and cabinet slides 			
	• Former noses	 Feed and grain chutes 			
	• Protecting aluminum sheets on stretch forming presses				
Storage	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.				
Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.				
Product Use	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 of application.				
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		ISO 9001:2000			



Industrial Business Industrial Adhesives and Tapes Division

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