## **3M** UHMW Polyethylene Tape 5425

**Technical Data** 

August, 1995

Product Description	Ultra-high molecular weight polyethylene film coated with a special acrylic adhesive that is resistant to many solvents.				
Construction	Backing	Adhesive	Color	Standard Roll Length	
	Ultra-high molecular weight polyethylene	Acrylic	Translucent	36 yds. (33 m)	
Typical Physical Properties and	Note: The following technical information and data should be considered representativ or typical only and should not be used for specification purposes.				
Performance Characteristics				ASTM Test Metho	
	Adhesion to Steel:		th (33 N/100 mm)	D-3330	
	Tensile Strength at Break:		dth (788 N/100 mm)	D-3759	
	Elongation at Break:	275%		D-3759	
	Backing Thickness:		3 mils (.08 mm) D-3652		
	Total Tape Thickness:		4.5 mils (.11 mm) D-3652		
	Temperature Use Range:	-30°F to 225°F (-34°C to 107°C)			
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## **UHMW Polyethylene Tape** 5425

	Features	Advantages	Benefits		
	Tough UHMW polyethylene     Acrylic adhesive	• Resists abrasion and wear under load	• Helps save money		
		• Release surface for many sticky resinous or viscous materials	<ul> <li>Helps reduce clean-up and maintenance costs</li> <li>Helps protect surfaces of parts or equipment</li> <li>Helps increase production speeds</li> </ul>		
		• Inert to many chemicals and solvents			
		• Helps reduce friction which facilitates movement, sliding			
		• Resistant to many solvents and chemicals	• Helps reduce failures due to undercutting of solvents and softening of the adhesive		
		• Firm, long aging	• Helps reduce failure caused by adhesive oozing and loss of tack		
		• Transparent	<ul> <li>Minimizes distortion of taped surface to provide optimum aesthetics</li> </ul>		
For Additional Information	To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.				
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	ISO 9002				
	This Industrial Tape and S registered to ISO 9002 sta	pecialties Division product was manufac ndards.	tured under a 3M quality system		
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Industrial Tape and Specialties Division 3M Center, Building 220-7E-01 St. Paul, MN 55144-1000



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