# Polyethylene Tape

5421 • 5423

Product Description  Product Construction	3M <sup>TM</sup> Polyethylene Tape 5421 and 5423 has a rubber adhesive which provides an excellent abrasion resistant surface.				
	Backing	Adhesive	Liner	Color	Standard Roll Lengt
	Ultra-high molecular weight polyethylene	Rubber	60# densified kraft	Translucent	18 yds. (16.4 m)
Typical Physical Properties	Note: The following to		ormation and dat not be used for sp		
rroperues	or typical only a	and should i	lot be used for sp	cemeation pur	ASTM Test Metho
	3M tape 5421				
	Adhesion to Steel:	26 o	z./in width (28 N/1	D-3330	
	Tensile Strength:		s./in. width (526 N	D-3759	
	Elongation at Break:	275%	•	D-3759	
	Backing Thickness:	5.0 n	nils (0.13 mm)	D-3652	
	Total Tape Thickness: (without liner)		nils (0.17 mm)	D-3652	
	Liner Thickness:	3.5 n	nils (0.09 mm)	D-3652	
	Temperature Use Rang	je: -30°	to 225°F (-34° to		
	3M tape 5423				
	Adhesion to Steel:	26 o	26 oz./in width (28 N/100 mm)		D-3330
	Tensile Strength:	55 lb	s./in. width (963 N	D-3759	
	Elongation at Break:	300%	6	D-3759	
	Backing Thickness:	10 m	nils (0.25 mm)	D-3652	
	Total Tape Thickness: (without liner)	11.7	mils (0.30 mm)	D-3652	
	Liner Thickness:		nils (0.09 mm)	D-3652	
	Temperature Use Rang	je: -30°	to 225°F (-34° to		

- UHMW polyethylene is a thermoplastic that has a unique combination of properties 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 machinery and equipment.

# **3M<sup>™</sup> Polyethylene Tape**

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## **Application Ideas**

- Conveyor flat guide rails
- Discharge chutes
- · Doctor blades
- Former noses

- Spray booth liners
- Tank and bin liners
- · Drawer and cabinet slides
- · Feed and grain chutes
- Protecting aluminum sheets on stretch forming presses

#### Storage

Store under normal conditions of  $60^{\circ}$  to  $80^{\circ}$ F ( $16^{\circ}$  to  $27^{\circ}$ 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**

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ISO 9001: 2000

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**Industrial Business** 



