

Product Data Sheet

Updated : September 2022 Supersedes : March 1996

Product Description

A low friction clear abrasion resistant tape which is resistant to puncturing, gouging etc., coated with an aggressive rubber resin adhesive.

Physical Properties Not for specification purposes	Adhesive Type	Rubber resin.
	Backing	Ultra-high molecular weight polyethylene
	Tape Thickness (ASTM D-3652)	280 µm
	Release Liner	Silicone Treated paper
	Tape Colour	Cream
	Shelf Life	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity

Performance Characteristics Not for specification purposes	Adhesion to Stainless Steel ASTM D-3330	2.8 N/10mm	
	Tensile Strength ASTM D-3759	96.3 N/10mm	
	Elongation at Break ASTM D-3759	500.00 %	
	Temperature Range Maximum Minimum	105 °C -35 °C	

Additional Product Information	UHMW POLYETHYLENE is a thermoplastic that has unique combination of properties which makes it ideal for tough impact wear or sliding applications.	No. 5423 is a thick clear UHMW Polyethylene tape developed to extend service life as a protective surface against extreme wear.	The liner on 5423 makes it possible to fabricate or die- cut the backing into various lengths and shapes.
Application Techniques	Best results are attained when applied to a clean, dry and non dusty surface above 0°C.	To improve adhesion ensure firm and even application pressure is applied.	

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Applications	Conveyor flat guide rails.	Glue sealing plates.	Drawer and cabinet slides.
	Discharge chutes.	Rotor blades.	Feed and grain chutes.
	Spiral wrap for round guide rails.	Spray booth liners.	Packing table tops.
		Tank and bin liners.	
	FEATURES	ADVANTAGES	BENEFITS
	Tough UHMW Polyethylene.	Resists abrasion and wear under load.	Saves money by reducing repairs or replacement of parts or equipment.
		Resists high impacts.	
		Puncture and gouge resistant .	
		High energy absorption.	Reduces noise and lessens worker fatigue.
		Release surface for sticky resinous or viscous materials.	Reduces clean up and maintenance costs.
		Inert to most chemicals and solvents.	Protects surfaces prolongir life of parts or equipment.
		Reduces friction which promotes movement.	Increases production speeds and reduces rejects increases equipment efficiency.
	High tack rubber resin adhesive.	Prevents marking or scratching of product.	
		Adheres instantly to most surfaces.	Easy to apply.
		Good long ageing bond strength.	Remains in place under stress prolonging life of equipment.

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