

3M™ Single-Sided Tapes

3M™ Slick Surface Tapes

Slippery tapes with low coefficients of friction

3M slick surface tapes provide a protective surface with a low coefficient of friction, allowing materials to slide easily across the surface. 3M slick surface tapes meet many application requirements for printing, aerospace, automotive, maintenance and repair operations.



3M UHMW¹-Polyethylene Tapes

- Abrasion resistant to protect chutes, guide rails, and containers from wear
- Low coefficient of friction for “slip plane” effect between surfaces to reduce noise
- Anti-stick for ready release of many inks and adhesives

3M PTFE²-Tapes

- Self-lubricating with low coefficient of friction to help improve web processing
- Resist up to 204°C for long performance on heat sealing machines
- Provide a chemical resistant anti-stick surface
- Anti-stick for easy clean up of hot plastic

Tape	Features/Applications	Tape Structure		Colour	Backing Thickness	Total Thickness	Tensile Strength	Max Temp
		Backing	Adhesive					
5421	Abrasion resistant tapes to protect chutes, guide rails and containers from wear. Provides slip between surfaces to reduce noise.	UHMW Polyethylene	Rubber	Translucent	0.13 mm	0.17 mm	530 N/100 mm	107°C
5423	Abrasion resistant tapes to protect chutes, guide rails and containers from wear. Provides slip between surfaces to reduce noise.	UHMW Polyethylene	Rubber	Translucent	0.25 mm	0.28 mm	960 N/100 mm	107°C
5151PL	Economical tape for use in many applications requiring high temperature and easy release surface. Embossed uPVC liner.	PTFE Glass cloth	Silicone	Brown	0.18 mm	0.11 mm	1760 N/100 mm	204°C
5451	Easy release surface on packaging and heat sealing machines, ironing and pressing equipment.	PTFE Glass Cloth	Silicone	Brown	0.08 mm	0.14 mm	1,760 N/100 mm	204°C
5453	Easy release surface on packaging and heat sealing machines, ironing and pressing equipment.	PTFE Glass Cloth	Silicone	Brown	0.15 mm	0.22 mm	3,070 N/100 mm	204°C
5480	Chemically resistant for sealing and masking. Release surface for hot polyethylene extruders.	PTFE Film	Silicone	Grey	0.05 mm	0.09 mm	470 N/100 mm	204°C

Feature	Good	Better	Best
Heat resistance	UHMW-PE Tape	PTFE film tape	PTFE glass cloth
Wear life	PTFE film tape	PTFE glass cloth	UHMW-PE Tape
Conformability	PTFE glass cloth	UHMW-PE Tape	PTFE film tape
Low coefficient of friction	UHMW-PE Tape	PTFE glass cloth	PTFE film tape
Anti-stick/solvent resistance	PTFE glass cloth	UHMW-PE Tape	PTFE film tape

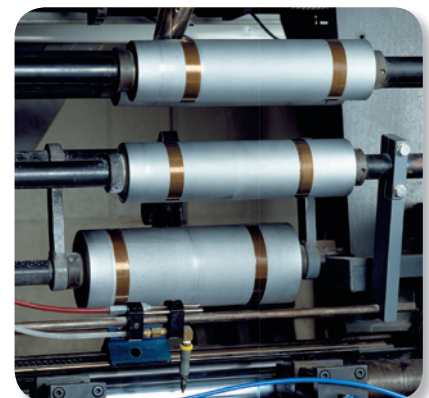
Notes: 1. UHMW = Ultra High Molecular Weight. 2. PTFE = Polytetrafluoroethylene



3M™ UHMW-PE Tape 5423 is placed on a web former edge to minimise web friction as the web is folded.



In heat sealing operations 3M™ PTFE Glass Cloth Tape 5453 helps protect the bar underneath where the hot wire seals the plastic film.



Conformable and self lubricating, 3M™ PTFE Tape 5480 helps the movement of web materials in many types of roller wrapping applications.