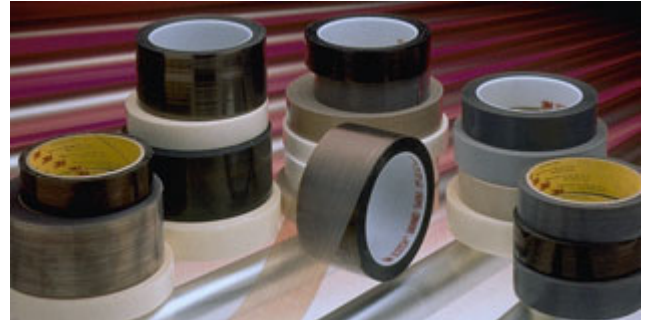


Slick Surface Tapes With Low Friction

Formulated for applications involving wear and manipulation - they reduce friction, dampen noise and prevent chemical degradation.



3M™ slick surface tapes include two similar groups of products, each with specific features. PTFE tapes offer outstanding resistance to extreme temperatures and have the lowest friction coefficient.

UHMW-PE tapes are similar to PTFE tapes in terms of their slickness and friction coefficient but have been specially formulated for extreme abrasion resistance.

3M PTFE tapes:

- low coefficient of friction
- outstanding heat resistance
- non-adhesive
- chemical resistance
- conformability

3M UHMW-PE tapes:

- abrasion resistance
- low coefficient of friction
- non-adhesive

A Detailed List of Slick Surface Tapes

Product/Color	Tape construction (backing/adhesive)	Backing thickness (mm)	Total thickness (mm)	Adhesion to steel (N/100 mm)	Tensile strength (N/100 mm)	Elongation at break %	Temperature range for use (° C)	Notes
PTFE TAPES								
Glass cloth impregnated with PTFE								
5451/Brown	PTFE Glass cloth/Silicone adhesive	0.08	0.14	38	1225		-70 to 205	Easy release performance on heat sealing machines and process equipment.
5453/Brown	PTFE Glass cloth/Silicone adhesive	0.15	0.22	38	1575		-70 to 205	Heat sealing of conveying chutes, troughs and ducts.
Skived PTFE								
5480/Gray	PTFE Silicone adhesive	0.05	0.10	22	473	140	-50 to 205	A tape for the production and processing of films.
5481/Gray	PTFE Silicone adhesive	0.13	0.18	27	875	300	-50 to 205	A heavy duty tape for the production and processing of films.
Extruded PTFE								
5490/Gray	PTFE Silicone adhesive	0.05	0.09	30	385	150	-50 to 205	Outstanding chemical resistance, low friction coefficient.



5491/Gray	PTFE Silicone adhesive	0.13	0.17	38	700	200	-50 to 205	A reinforced version of the previous type.
UHMW-PE TAPES								
5421/Transparent	UHMW-PE/Rubber adhesive	0.13	0.17	28	526	300	-30 to 105	General purpose tape, excellent low-friction properties.
5423/Transparent	UHMW-PE/Rubber adhesive	0.25	0.30	28	963	500	-30 to 105	A reinforced version of 5421.
5425/Transparent	UHMW-PE/Rubber adhesive	0.08	0.11	33	788	100	-30 to 105	Solvent resistant adhesive.