

Single Coated Tapes



In the current competition-driven world it is necessary to use any opportunity to improve the quality and performance of your products. 3M™ single coated tapes will help you get the competitive edge.

Product Types:

- [Duct Tapes](#)
- [Packaging Tapes](#)
- [Colored Marking Tapes](#)
- [Paper Masking Tapes](#)
- [Polyester Tapes](#)
- [Metal Foil Tapes](#)
- [Slick Surface Tapes with Low Friction](#)
- [Reinforced Tapes](#)
- [Special Use Tapes](#)

By making use of 3M™ tapes you also make use of dozens of years of experience by 3M™ in the field of adhesive tapes and adhesives.

All tapes are produced in compliance with the 3M™ quality system, certified under ISO 9002 norms.

Types of Adhesives:

rubber adhesives:

- high initial adhesion
- good shear strength
- medium resistance to extreme temperatures
- good resistance to solvents
- satisfactory UV resistance
- medium life

acrylic adhesives:

- satisfactory initial adhesion
- continuous growth of adhesion
- high shear strength
- high resistance to extreme temperatures
- outstanding resistance to solvents
- outstanding UV resistance
- long life

silicone adhesives:

- satisfactory initial adhesion
- very high resistance to extreme temperature (over 200°C)
- outstanding features in low temperatures
- outstanding resistance to solvents
- outstanding UV resistance

3M™ single coated tapes are used for the following applications:

- sealing
- attaching
- reinforcing
- joining
- marking
- masking
- surface protection
- temporary fixing
- packing

Backing types

backing material	+	-
PVC	<ul style="list-style-type: none">• good conformability• acid resistance• color variety	<ul style="list-style-type: none">• shrinks after stretching• low flexibility in low temperatures• resistance to temperatures up to 75°C
Polyethylene	<ul style="list-style-type: none">• excellent conformability• acid and solvent resistance• economical	<ul style="list-style-type: none">• after stretching shrinks to the original state• resistance to temperatures up to 75°C
Polyester	<ul style="list-style-type: none">• good abrasion resistance, tensile strength• solvent resistance• color variety• resistance to temperatures up to 150°C	<ul style="list-style-type: none">• tears well if the edge is cut• difficult application due to low thickness and high static
Metal foil	<ul style="list-style-type: none">• excellent water and dust resistance• thermally conductive• resistance to high temperatures (aluminum up to 315°C, lead up to 150°C)• flame resistance• environment resistance• lead foil with excellent acid resistance	<ul style="list-style-type: none">• low flexibility• the aluminum foil has a low acid resistance
PTFE	<ul style="list-style-type: none">• low coefficient of friction• resistance to temperatures up to 205°C-long-term• 275°C - short term• acid and solvent resistance• high flexibility even in low temperatures• excellent protection against humidity	<ul style="list-style-type: none">• relatively high price
Glass cloth	<ul style="list-style-type: none">• high tensile strength• good heat insulation• resistance to high temperatures of up to 205°C for several hours• flame resistance	<ul style="list-style-type: none">• poor protection against humidity• poor conformability