
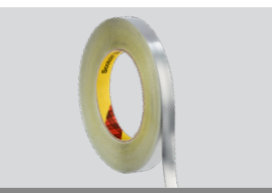
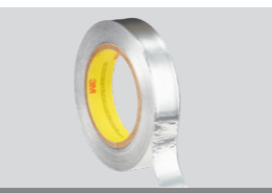
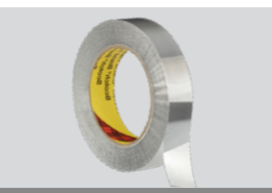
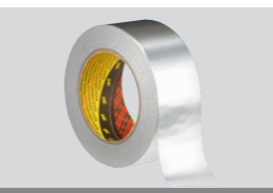

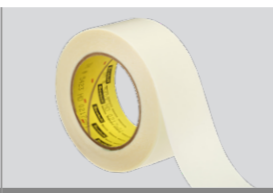
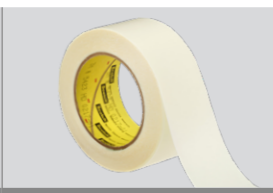
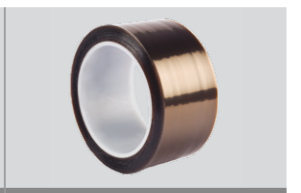


# 3M™ Specialty Single Coated Tapes

								
<b>Product number</b>	<b>420</b>	<b>431</b>	<b>425</b>	<b>1436</b>	<b>361</b>	<b>5421</b>	<b>5423</b>	<b>5490</b>
<b>Properties/suitable for</b>	Lead foil tape	Performance aluminium foil tape	Performance aluminium foil tape	General purpose aluminium foil tape	Glass cloth tape high temperature resistant	UHMW-PE tape low friction	UHMW-PE tape low friction	PTFE tape anti-stick
<b>Key features (info box)</b>								

## Physical and Performance Characteristics, Key Features

Product number	420	431	425	1436	361	5421	5423	5490
Total thickness [mm]	0.19	0.08	0.12	0.075	0.16	0.17	0.30	0.09
Adhesive type	Rubber	Acrylic	Acrylic	Rubber	Silicone	Rubber	Rubber	Silicone
Colour	Silver	Silver	Silver	Silver	White	Translucent	Translucent	Brown
Backing material	Lead foil	Aluminium foil	Aluminium foil	Dead soft aluminium	Glass cloth	UHMW-PE film	UHMW-PE film	PTFE – polytetrafluorethylene
Peel strength [Newton/25 mm]	12.2	11.3	12.8	30.0	10.5	9.3	9.8	7.5
Tensile strength [Newton/25 mm]	87.5	85	123	45	639	199	375	76
Elongation at break	12%	5%	6%	3%	9%	470%	530%	170%
Temperature use range	-51°C to 107°C	-54°C to 149°C	-54°C to 149°C	-25°C to 70°C	-54°C to 232°C	-34°C to 107°C	-34°C to 107°C	-54°C to 260°C
Water vapour transmission rate	1.55 g/m <sup>2</sup> /24 h	0.77 g/m <sup>2</sup> /24 h	0.77 g/m <sup>2</sup> /24 h	< 1.0 g/m <sup>2</sup> /24 h				
Lead foil tape	●							
Performance aluminium foil tape		●	●					
General purpose aluminium foil tape				●				
Sealing of high-temperature ducts or chambers					●			
Noise reduction between dissimilar parts						●	●	
Protection of grinding areas						●	●	
Low friction & non-stick surface applications						●	●	●

## Suggested Applications

Product number	420	431	425	1436	361	5421	5423	5490
Masking in electroplating	●							
Masking parts during anodization	●		●					
Radiation barrier	●							
Chemical milling	●							
Moisture barrier	●	●	●	●				
Plastic protection against heat and UV exposure		●						
Heat shielding and heat reflecting of delicate parts		●	●		●			
Light reflecting for light enhancement		●	●					
Seaming and sealing		●	●					
Refrigerator and freezer coil attachment		●	●					
Splicing of thin gauge foils			●					
Internal and external ducting work				●				
Air conditioning sealing operations				●				
Permanent sealing of high temperature ducts or chambers					●			
Use for fabric splicing, seaming and sealing panels					●			
Aerospace panel sealing					●			
Wire harness protection					●			
Masking parts during plasma spray					●			
Reducing squeaks and rattles in automotive and transportation assemblies						●	●	
Lining of conveyors, chutes, blades, slides and guide rails						●	●	
Separating dissimilar parts to reduce noise and friction						●	●	
Protecting aluminium sheets on stretch forming presses						●	●	
Flat conveyor guide rails and chutes						●	●	
Use for heated machinery and equipment								●
High temperature wire bundling and harnessing								●
Shielding and protecting against chemicals								●
Wrapping web rollers to reduce friction								●
Noise reduction of parts where surfaces rub together								●
Providing excellent mould release in composite bonding								●
<b>Product number</b>	<b>420</b>	<b>431</b>	<b>425</b>	<b>1436</b>	<b>361</b>	<b>5421</b>	<b>5423</b>	<b>5490</b>

### Product Use

All statements, technical information, and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law.