





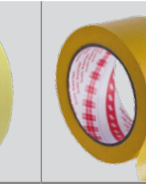
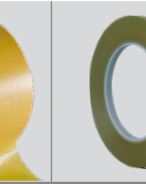
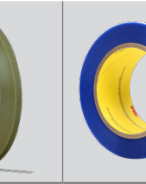
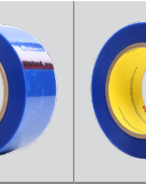
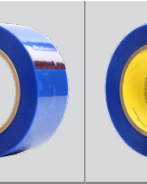
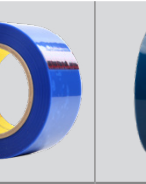
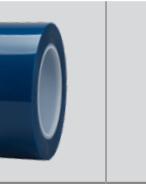
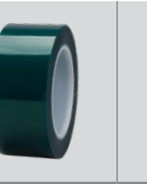




























3M™ Masking Tapes

													
Product number	101E	201E	301E	401E	501E	244	218	8901	8902	8905	8991	8992	8995
Properties/suitable for	Value masking tape	General use masking tape	Performance masking tape	High performance masking tape	Specialty high temperature masking	Washi masking tape	Fine line masking tape	Performance powder coat painting	Performance powder coat painting	Performance powder coat painting	Masking in extreme environments	Masking in extreme environments	Masking in extreme environments
Key features (info box)													

Physical and Performance Characteristics, Key Features

Product number	101E	201E	301E	401E	501E	244	218	8901	8902	8905	8991	8992	8995
Total thickness [mm]	0.115	0.135	0.150	0.160	0.150	0.085	0.130	0.060	0.080	0.160	0.061	0.082	0.06
Adhesive type	Rubber	Rubber	Rubber	Rubber	Rubber	Acrylic	Rubber	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
Colour	Tan	Chamois	Chamois	Brown	Chamois	Gold	Green	Blue	Blue	Blue	Blue	Green	Blue
Backing material	Crepe paper	Crepe paper	Crepe paper	Crepe paper	Crepe paper	Flat paper backing	Polypropylene	Polyester film	Polyester film	Polyester film	Polyester film	Polyester film	Polyester film
Peel strength [Newton/25 mm]	5	6	9	10	11	2	11	7.8	10	7	8.5	12	7.5
Tensile strength [Newton/25 mm]	89	89	95	100	106	76	57	113	180	480	93.5	249.5	100
Elongation at break	8%	10%	10%	10%	10%	6%	490%	115%	110%	115%	49%	148%	90%
Temperature resistance (min, h)	60 °C	80 °C	100 °C	140 °C	160 °C	100 °C	120 °C	204 °C	204 °C	204 °C	204 °C	204 °C	204 °C
Period of use (days)													
Indoor and outdoor use													
Straight lines and areas masking applications	•	•	•	•	•	•		•	•	•	•	•	•
Sweeping curves masking applications							•						
Powder coating masking applications								•	•	•	•	•	•
Oven-drying systems, IR or heat lamps masking applications				•	•								
UV-curing & bake cycles masking applications					•								
Automotive masking applications				•	•	•	•						

Suggested Applications

Product number	101E	201E	301E	401E	501E	244	218	8901	8902	8905	8991	8992	8995
General purpose short-term room temperature paint applications	•												
General purpose short-term paint applications	•	•											
Masking for joint sealing applications	•	•				•							
Use for temporary fixing, attaching or holding	•	•											
Label marking	•	•											
General-purpose industrial paint masking	•	•	•										
Air drying and oven curing of paint and lacquer			•	•									
High-performance industrial and automotive paint masking				•	•		•						
Oven-drying systems, infrared or heat lamps				•	•								
Suitable for infrared/UV-curing and bake cycles					•								
Outdoor painting and varnishing work						•							
Paint masking applications in the building construction market	•	•				•							
Painting in the metal construction market, particularly on delicate surfaces						•	•						
Fine line paint masking							•						
Ideal for multi-colour and design paintwork							•						
Spherical shaped surfaces							•						
Specialty car body, vehicle, marine and aerospace paintjobs			•	•	•		•						
Masking parts for high temperature powder coat painting								•	•	•	•	•	•
Masking parts during anodization								•	•	•	•	•	•
Flash breaker in composite bonding								•	•	•	•	•	•
Hold/attach bagging composite materials during the composite process								•	•	•	•	•	•
Temporary surface protection for extreme temperatures								•	•	•	•	•	•
Splicing of silicone liners, films and papers								•	•	•	•	•	•
Provides a good barrier for the separation of dissimilar metals								•	•	•	•	•	•
Product number	101E	201E	301E	401E	501E	244	218	8901	8902	8905	8991	8992	8995

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.