
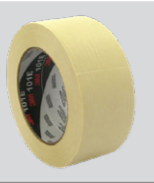





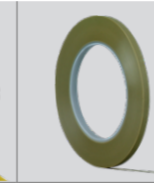
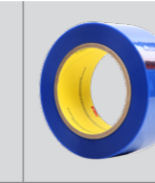
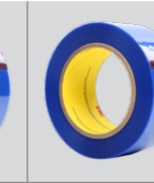
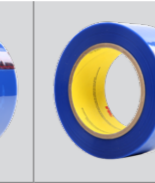
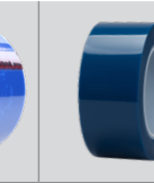
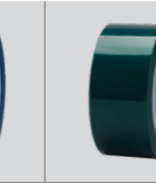
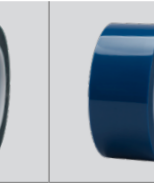




























3M™ Masking Tapes

| | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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.