Precision Poly Tape

36350 • 36351 • 36353 • 36354 • 36356 • 36357

Technical Data **July 2019**

3M Part Numbers	3M Part Descriptor
36350	3 mm x 55 m roll (1/8 in x 60 yd), 12 rolls per box
36351	6 mm x 55m roll (1/4 in x 60 yd), 12 rolls per box
36353	12 mm x 55 m roll (1/2 in x 60 yd), 6 rolls per box
36354	18 mm x 55 m roll (3/4 in x 60 yd), 32 rolls per case
36356	36 mm x 55 m roll (1½ in x 60 yd), 16 rolls per case
36357	48 mm x 55 m roll (2 in x 60 yd), 12 rolls per case

Product Description

3M™ Precision Poly Tape is an innovative engineered polymeric masking tape designed for both general purpose and fine line masking applications. Its superior one-piece removal and straight snap tear offers greater performance over paper-backed tapes. This UV-resistant tape is also waterproof, resistant abrasion, has excellent adhesion to a variety of substrates, high conformability, clean removal, and sharp paint lines.

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Features, Advantages, Benefits

Feature	Advantage	Benefit
Proprietary adhesive	Bonds well to a wide variety of substrates & removes cleanly without residue.	Improved stick & stay with clean removal helps minimize rework & clean-up time.
Bold purple color	Improved visual contrast.	Quicker & easier tape placement.
Polymeric backing	Waterproof and solvent-resistant backing, also extremely conformable & strong. Provides sharp paint lines, even with waterborne paints.	One tape can be used for general & fine line applications. Clean, one-piece removal helps minimize unmasking time.
Micro-replicated backing technology	Straight-line snap tear & indicator lines to highlight over-stretching.	Increases masking efficiency & minimizes waste & rework.
Special backsize treatment	Controlled unwind, paint anchorage, & ample adhesion to itself.	Easy to use with reliable & consistent performance.
Scientifically engineered construction	Can withstand 7-day rain & sun outdoor exposure with clean, one-piece removal.	Eliminates performance concern if outdoor exposure is needed – saving time & material.

Product Uses

High performance masking tape for use in repair and refinish applications for the transportation industry and other general industries.

Performance Properties

NOTE: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Adhesion to Steel	30 oz/in (ASTM D-3330)
Tensile Strength	7 lbs/in (ASTM D-3759)
Elongation at Break	150%+ (ASTM D-3759)
Temperature Use Range	200°F (93.3°C) for 1 hour
Tape Thickness	5.5 mils (0.14 mm) (ASTM D-3652)
UV Resistance	7 days

Directions for Use

- Make sure surfaces are clean and dry before applying masking tapes. For best adhesion results, surface temperatures of 60-90°F (16-27°C) for application are recommended.

- Utilize the straight-line snap tear of the tape by using the following methods (instructional video on 3MCollision.com):

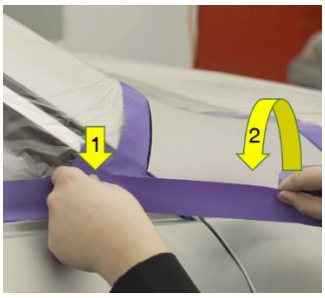
Option 1: The Pinch Tear
Pinch tape with thumbs and index fingers and sharply pull one hand away.



Option 2: The Snap Tear
Holding the tape taut off the roll, quickly "snap" the tape by pulling at a 45° angle.



Option 3: Tearing on a Surface
Use hand pressure to initiate the tear then quickly pull the tape roll down at a 45° angle.



- Press the entire width of the tape down firmly to ensure good adhesion and avoid lifting.

- Do not overstretch tape during application. Indicator lines will appear—showing that the tape is being stretched beyond its limits. The appearance of indicator lines will affect paint line performance. To prevent this, reduce the tension used when applying the tape. The conformability of the polymeric backing will curve easily without high tension. If sharp curves need to be achieved, use the narrowest width possible for the application.

(Directions for Use continued on next page)

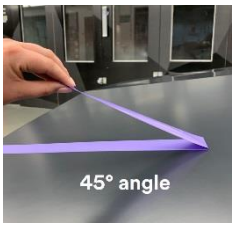
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Directions for Use (Continued)

- Designed for indoor and outdoor use with 7-day UV resistance. Longer term exposure to sun and heat is not recommended as it may cause tape to become very difficult to remove.

- Tape removal:
  - For *general applications*, tape should be removed back over itself at a 45° angle with surface temperatures ranging from 60-90°F.



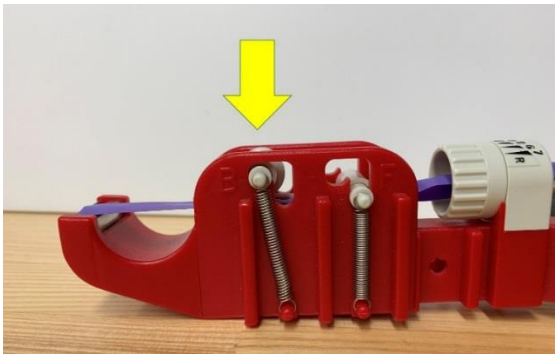
  - For removal on *delicate surfaces* (such as old weathered paint), tape should be removed as close to a 180° angle as possible with surface temperatures ranging from 60-90°F.



  - For *fine line work*, tape should be removed at a 45° angle away from the paint edge, at a slow speed with surface temperatures ranging from 60-90°F. This helps "cut" the paint line for the cleanest edge.



Note: This tape can be utilized for "folded tape" used in jamb masking—either made by hand or by using the EZ Edger™ dispenser. To use the tape on an EZ Edger™ dispenser, lift wheel B up and out of contact with tape. See image below for details. PTFE tape can also be applied under wheels F & B to aid in dispensing.



Applications

- General masking (including use on apron tapers & other masking paper dispensers)
- Fine line & custom painting work
- Folded tape for jamb masking (including use with the EZ Edger, see specific settings above)
- Surface protection during wet sanding, buffing & polishing operations

Storage and Handling

Store product in the original carton under normal conditions of 70°F and 50% relative humidity. When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 24 months.

Precautionary Information

Before using this product, please reference Product Label and/or Safety Data Sheet for Health and Safety Information. Note: Laws controlling the acceptable amounts of Volatile Organic Compounds (VOCs) vary by state, and in some cases by locality. For surface preparation and clean-up activities, consult federal, state and local regulations regarding use of products containing VOCs in your area.

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