

Commercial Solutions Division

# 3M™ Knifeless™ Tape

- Finish Line
- Perf Line
- Bridge Line
- Design Line
- Tri Line

## Product Description

3M™ Knifeless™ Tapes are filament tapes designed to cut films cleanly without risk of damaging substrates.

Product Line	Finish Line	
	Finish Line	<ul style="list-style-type: none"><li>• Colour: Semi-transparent green.</li><li>• Cuts most vinyl wrap films, e.g. 3M™ Wrap Film Series 1080 and 3M™ Wrap Film Series 1380.</li><li>• Turns easily in any direction to follow contours and curves.</li><li>• For single or multiple vinyl layer applications.</li><li>• For covered or hidden film edges.</li></ul>
	Perf Line	<ul style="list-style-type: none"><li>• Colour: Semi-transparent green.</li><li>• Use to cut laminated perforated window films (e.g. 3M™ Scotchcal™ Perforated Window Graphic Film 8173) and create a uniform relief cut along rubber molding before applying edge-sealing tape.</li></ul>
	Bridge Line	<ul style="list-style-type: none"><li>• Colour: Semi-transparent green.</li><li>• Used to achieve clean and uniform cuts in wide gaps between doors, fenders and rubber moldings.</li><li>• For single or multiple vinyl layer applications.</li><li>• Suitable for e.g. 3M™ Wrap Film Series 1080 and 3M™ Wrap Film Series 1380.</li></ul>
	Design Line	<ul style="list-style-type: none"><li>• Colour: Semi-transparent green.</li><li>• Create striping, accents and designs instead of using a knife or plotter.</li><li>• Stretches slightly and turns easily in any direction.</li><li>• Tape can be torn by hand for faster application.</li><li>• For single layer vinyl applications.</li><li>• Suitable for e.g. 3M™ Wrap Film Series 1080 and 3M™ Wrap Film Series 1380.</li></ul>
	Tri Line	<ul style="list-style-type: none"><li>• Colour: Semi-transparent green.</li><li>• Create pinstripes, gaps and butt seams instead of using a knife or plotter.</li><li>• Create different widths using 6 mm and</li><li>• 9 mm.</li><li>• Stretches slightly and turns easily in any direction.</li><li>• Tape can be torn by hand for faster application.</li><li>• For single layer vinyl applications (2 layers for butt seams).</li><li>• Suitable for e.g. 3M™ Wrap Film Series 1080 and 3M™ Wrap Film Series 1380.</li></ul>

## Product Characteristics

These are indicative values for unprocessed products.  
Contact your 3M representative for a custom specification.

Physical & Application	Adhesive type	acrylic
	Application Temperature	+16°C to +25°C
	The values above are the results of illustrative lab test measurements and shall not be considered as commitment from 3M.	
Storage	Shelf life	Use within 12 months from the date of manufacture on the sealed original box.
	Storage conditions	+4°C to +30°C, out of sunlight, original container in clean and dry area
The shelf life as defined above remains an indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as warranty.		
Flammability	Flammability standards are different from country to country. Ask your local 3M contact for details, please.	

## Limitations of End Uses

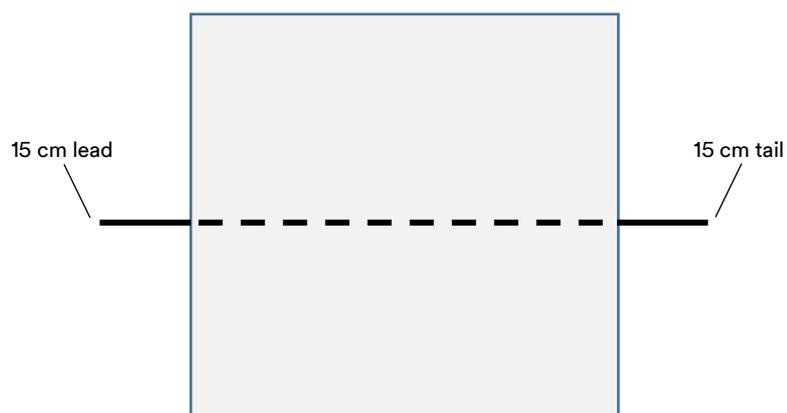
3M specifically does not recommend or warrant the following uses, but please contact us to discuss your needs to recommend other products.

- outdoor applications or prolonged periods of sunlight as tape may become difficult to remove
- 3M Commercial Solutions products are not tested against automotive manufacturer specifications!
- Handle any Knifeless Tape with care. DO NOT wrap around fingers or hand during the trimming operation or during the start of the trimming operation. Dispose of filament immediately after use.

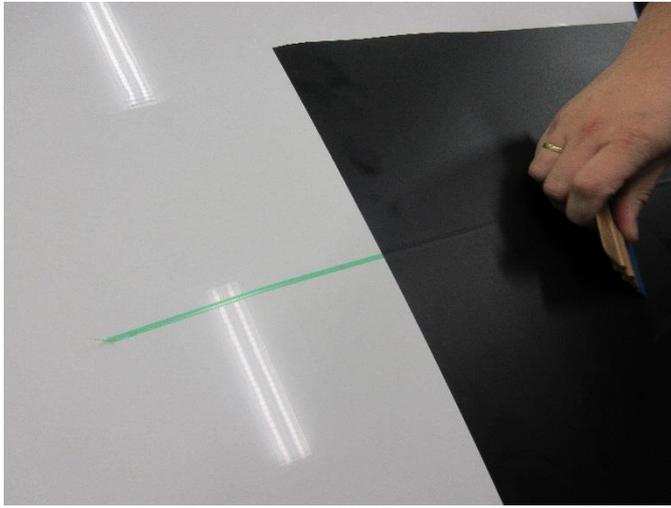
## Instruction for Use

### Knifeless Tape

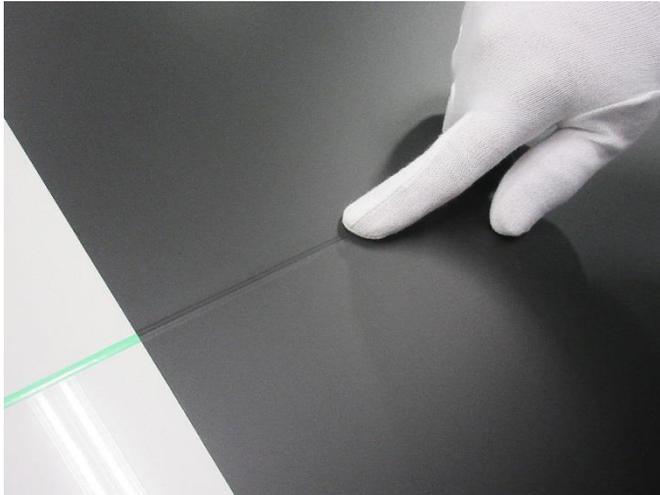
Finish Line  
Perf Line  
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Tri Line



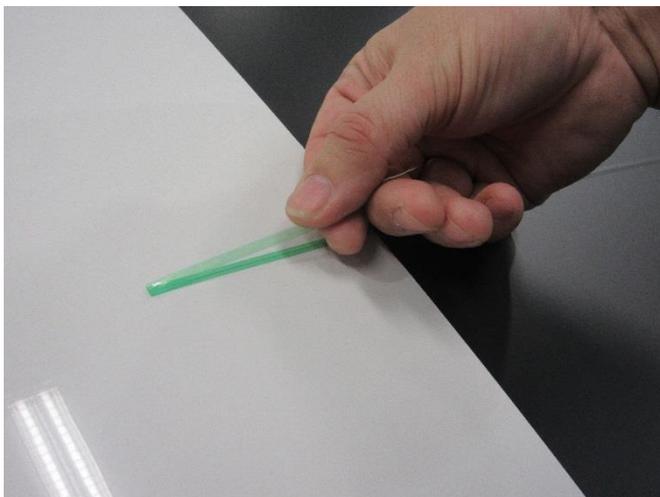
Begin with 15 cm of tape (before and after) where the graphic will be cut and lay down Knifeless Tape. Apply the film with pressure over the Knifeless Tape, leaving the lead and tail tape visible.



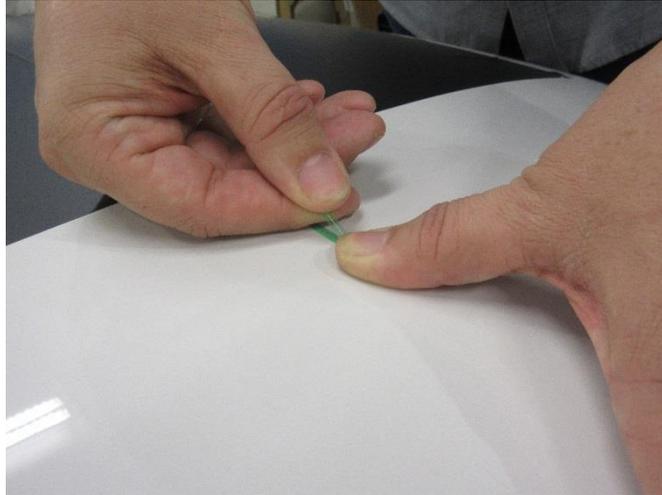
To remove air bubbles, press the film onto the Knifeless Tape again with your finger.



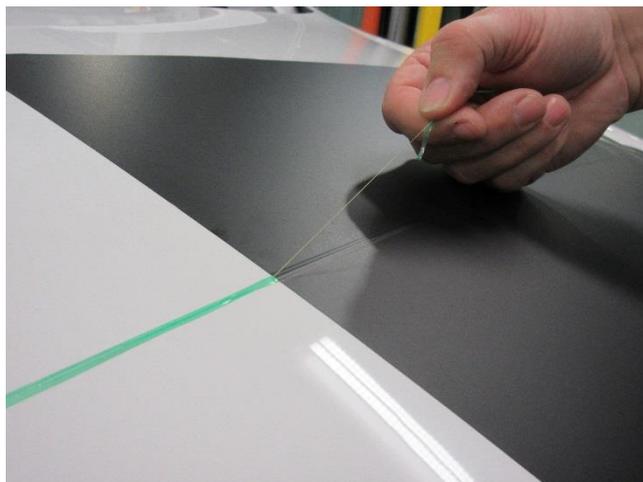
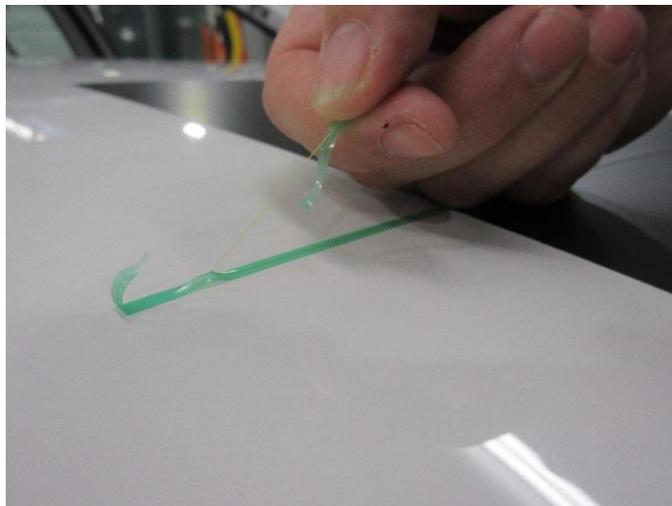
Fold the start of the tape back over itself approximately 8 cm.



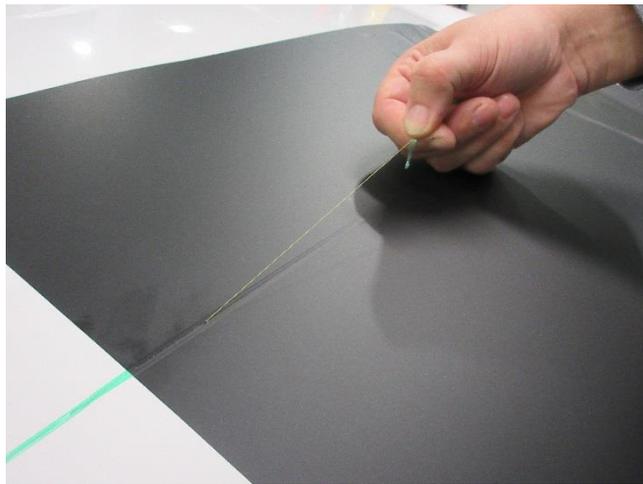
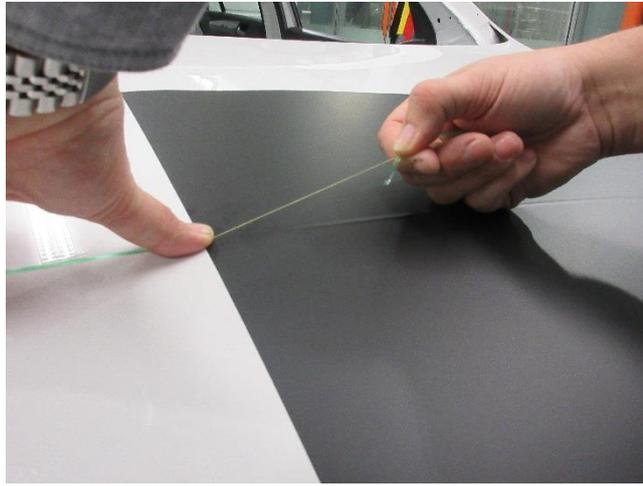
Press thumb firmly on folded edge, covering at least 1 cm tape. Firmly grasp the end of the tape with your thumb and index finger. Start with your two thumbs 1 cm apart. Bring thumbs together and give the tape a quick snap, breaking the carrier tape and exposing the filament (line).



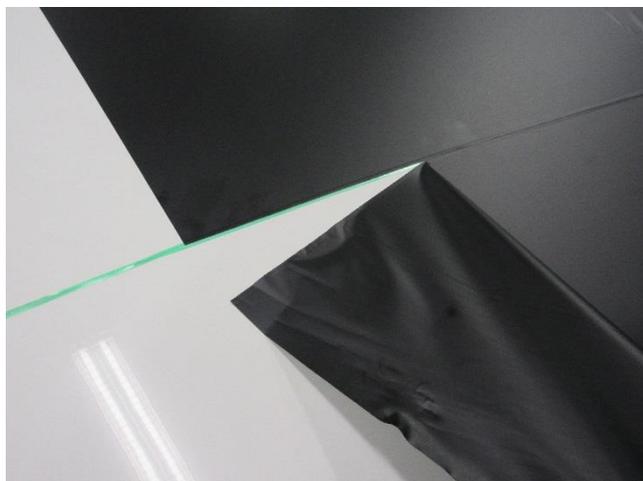
Pull the line back and not upward, stopping before the edge of the graphic.

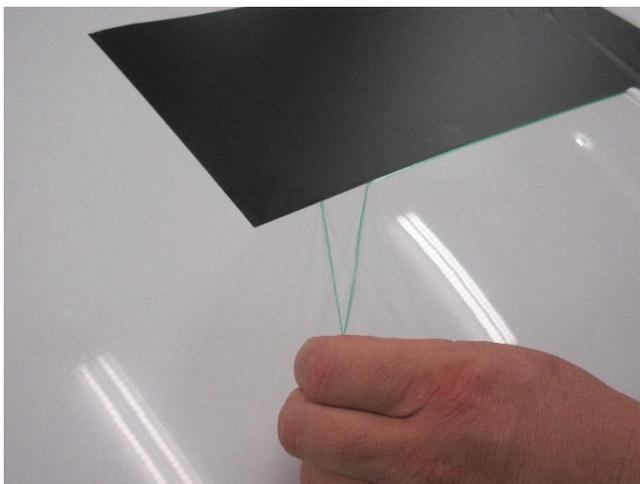


Fold the filament over the graphic. Press your thumb over both the filament and the graphic edge. Gently tug the filament to start cutting into the graphic, continuing to pull the line back and not upward.



After cutting is finished, remove the excess film and the carrier tape from under the film. Please note that after cutting the carrier tape has split in two tapes. Both tapes need to be removed completely without residuals.





Heat the edges of the film and reapply the film edges with firm pressure.

**Important notice** If multiple Knifeless Tapes are used mark the order of application and start cutting in the reverse order the Knifeless Tapes were applied (cut first with last Knifeless Tape applied).

## Remarks

This bulletin provides technical information only.

## Important Notice

All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

Before using, the user must determine the suitability of the product for its required or intended use, and the user assumes all risk and liability whatsoever in connection therewith.

## Additional Information

Visit the web site [www.3mgraphics.com/eu](http://www.3mgraphics.com/eu) for getting:

- more details about 3M™ MCS™ Warranty and 3M™ Performance Guarantee
- additional instruction bulletins
- a complete product overview about materials 3M is offering.

Responsible for this technical product bulletin

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