

July, 2009

# 3M™ Scotch® Transparent Film Tape 605

## Product Description

Scotch® Transparent Film Tape 605 is designed for various light-duty packaging applications such as attaching, mending, gift wrapping, holding and L-Clips. This product offers good performance over broad temperature ranges; specifically in cold and damp applications.

## Product Features

- Conformable backing.
- Edge tear and split resistant.
- Good aging in sunlight or fluorescent lighting.
- Smooth unwind.
- Quick and easy in application.
- Easy to read through.
- Good cold temperature stability.
- FDA approved for indirect food contact.



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## Technical Information Note

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

## Typical Physical Properties

| Property             | Values  |         | Method     |
|----------------------|---|---------|------------|
| Color                | Clear   |         |            |
| Total Tape Thickness | 0.063 mm  | 2.5 mil | ASTM D3652 |
| Backing Thickness    | 0.041 mm  | 1.6 mil | ASTM D3652 |
| Backing              | Biaxially oriented polypropylene film                 |         |            |
| Adhesive             | *Pressure sensitive acrylic.                          |         |            |
| *Note                | Requires no moisture, heat or solvent for activation. |         |            |

## Typical Performance Characteristics

| Property                      | Values    |          | Method     | Backing             | Notes  |
|-------------------------------|-----------|----------|------------|---------------------|--|
| 180° Peel Adhesion            | 3 N/cm    | 27 oz/in | ASTM D3330 | 2 mil Aluminum Foil | 12 in/min (300 mm/min)<br>72 hr dwell on Stainless Steel |
| Longitudinal Tensile Strength | 38.5 N/cm | 22 lb/in | ASTM D3759 |                     |  |
| Elongation at Break           | 57 %      |          | ASTM D3759 |                     |  |

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## Available Sizes

| Property             | Values                 |                     | Attribute Modifier |
|----------------------|------------------------|---------------------|--------------------|
| Standard Roll Length | 65.8 m                 | 72 yd               |                    |
| Standard Width       | 9.5, 12.7, 19, 25.4 mm | 3/8, 1/2, 3/4, 1 in |                    |
| Core Size            | 76.2 mm                | 3 in                | ID                 |

## Storage and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. To obtain best performance, use this product within 18 months from date of manufacture.

## Trademarks

Scotch is a registered trademark of 3M.

## References

| Property                | Values  |
|-------------------------|---|
| 3m.com Product Page     | <a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~-/Scotch-Light-Duty-Packaging-Tape-605-Cold-Temperature?N=5002385+3293242205&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~-/Scotch-Light-Duty-Packaging-Tape-605-Cold-Temperature?N=5002385+3293242205&amp;rt=rud</a> |
| Safety Data Sheet (SDS) | <a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=605">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=605</a>   |

## ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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## Information

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3M United States  
3M Center  
St. Paul, MN 55144-1000  
800-362-3550  
[www.3M.com](http://www.3M.com)

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