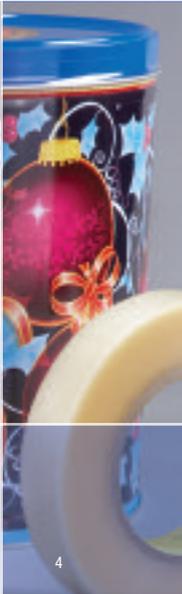


**Scotch®**

## Light Duty Packaging Tapes



Streamlined selection of film tapes and dispensers  
for packaging products from candy to T-shirts

**3M**

# Versatility with choices of film backings and adhesives for applications success

With the streamlined selection of Scotch® Light Duty Packaging Tapes, readily match backing and adhesive combinations to light duty applications and surfaces.

## Typical light duty applications:

- Garment bundling
- Cookie tin seam sealing
- Plastic bag closure
- Attaching extended application tube to aerosol can
- Party tray closure
- Wrapped candy box closure
- Wrapper closure
- Document envelope closure
- Innerpack box closure

## Variety of surfaces:

- Fabrics
- Molded plastics
- Metals
- Clay-coated paperboard
- Corrugated
- Vinyl and films

## Tapes for apparel tabbing and holding

- Scotch® Transparent Film Tape 600: UPVC backing with very high strength acrylic adhesive
- **Scotch® Transparent Film Tape 640:** UPVC backing with clean removal acrylic adhesive for a wider variety of fabric finishes and treatments; formulated for tabbing shirts and underwear
- Scotch® Transparent Film Tape 5910: Polypropylene backing with long-aging utility grade acrylic adhesive

## Tapes for other light duty applications

- Scotch® Transparent Film Tape 605: Polypropylene backing with very aggressive acrylic adhesive for cold temperature applications
- Scotch® Colored Film Tape 690: UPVC backing with natural rubber adhesive for sealing and color coding
- Scotch® Heat Shrinkable Film Tape 6887: UPVC backing and rubber adhesive for tamper-indicating secondary closures on the seams of tins and jars

## Technologies matched to the application

### Choice of backings:

- UPVC film for transparency, UV resistance, and non-staining
- Polypropylene for flexibility and moisture resistance in food packaging
- Cellophane for dimensional stability without shrinkage or distortion at up to 300°F; tears by hand for easy package opening

### Choice of adhesives:

- Acrylic for long aging and UV resistance
- Rubber for high initial bond strength and adhesion to wide variety of materials including hard-to-bond plastics



Hold plastic party tray lid with Scotch® Transparent Film Tape 605



Attach applicator tube to aerosol can with Scotch® Transparent Film Tape 600.

Secure cookie tin lid with tamper-indicating Scotch® Heat Shrinkable Film Tape 6887.



# Choices of dispensers to seal, hold, attach, and tab

Bundle a wider range of fabrics with clean removal Scotch® Transparent Film Tape 640.



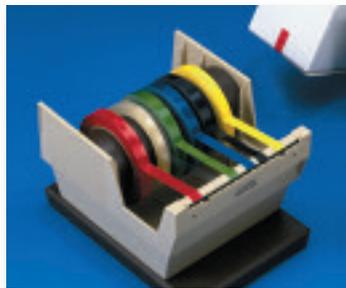
**Scotch® Manual Dispenser S63** applies a neat, consistently sized L-clip of tape in a single pass of a box.



**Scotch® Definite Length Dispenser M96** dispenses pre-set lengths of .75" to 5" per stroke.



**Scotch® Bag Sealer P400** applies tape in an adhesive-to-adhesive flag seal, includes bag trimmer.



**Scotch® Multi-Roll Dispenser P56/P56W** for pull and tear of up to 6" total width of tapes. P56W offers weighted base.



**Scotch® Heavy-Duty Tabletop Dispenser C22** for pull and tear convenience.

| Dispensers | Applications                            | Max. Tape Width |
|------------|---|-----------------|
| C22        | Sealing, holding, attaching and tabbing | 2 in.           |
| M96        | Sealing, holding, attaching and tabbing | 1 in.           |
| P56 / P56W | Sealing, holding, attaching and tabbing | 6 in.           |
| P400       | Bag sealing                             | 0.375 in.       |
| S63        | Box closing                             | 15mm            |

# Product Information

| Tapes                    | Structure<br>(Backing/Adhesive)    | Backing<br>Thickness<br>mils (mm) | Total<br>Thickness<br>mils (mm) | Adhesion<br>to Steel<br>oz./in.<br>(N/100 mm) | Tensile<br>Strength<br>lbs./in.<br>(N/100 mm) | Elongation<br>at Break<br>% | Comments   |
|--------------------------|------------------------------------|-----------------------------------|---------------------------------|---|---|-----------------------------|--|
| <b>ASTM Test Method:</b> |                                    | <b>D-3652</b>                     | <b>D-3652</b>                   | <b>D-3330</b>                                 | <b>D-3759</b>                                 | <b>D-3759</b>               |  |
| 600                      | UPVC/Acrylic                       | 1.5 (.038)                        | 2.3 (.058)                      | 40 (44)                                       | 28 (490)                                      | 45                          | Long aging, premium performance  |
| 605*                     | Polypropylene/Acrylic              | 1.6 (.041)                        | 2.5 (.064)                      | 27 (30)                                       | 22 (385)                                      | 15                          | Cold temperature stability   |
| 610                      | Cellophane/Natural Rubber          | 1.4 (.036)                        | 2.3 (.058)                      | 43 (47)                                       | 23 (403)                                      | 15                          | Heat resistant up to 300° F  |
| 640                      | UPVC/Acrylic                       | 1.5 (.038)                        | 2.3 (.058)                      | 28 (30)                                       | 32 (560)                                      | 65                          | Clean removal for tabbing apparel  |
| 650                      | Cellophane/High Temperature Rubber | 1.4 (.036)                        | 2.5 (.064)                      | 30 (33)                                       | 20 (350)                                      | 60                          | High temperature application up to 350° F  |
| 681                      | UPVC/Natural Rubber                | 1.5 (.038)                        | 2.4 (.061)                      | 30 (33)                                       | 25 (438)                                      | 60                          | Good moisture, solvent resistance  |
| 690                      | UPVC/Natural Rubber                | 1.5 (.038)                        | 2.3 (.058)                      | 30 (33)                                       | 35 (613)                                      | 45                          | Colored film tapes for sealing; color coding in red, white, blue, black, green, and yellow |
| 5910**                   | Polypropylene/Acrylic              | 1.2 (.030)                        | 1.8 (.046)                      | 20 (22)                                       | 10 (175)                                      | 15                          | Utility grade for light duty packaging applications  |
| 5912                     | Cellophane/Synthetic Rubber Resin  | 1.4 (.036)                        | 2.4 (.061)                      | 54 (59)                                       | 28 (490)                                      | 15                          | Utility grade for light duty packaging applications  |
| 6887                     | UPVC/Synthetic Rubber Resin        | 1.5 (.038)                        | 2.5 (.064)                      | 50 (55)                                       | 30 (525)                                      | 55                          | Heat shrinkable, tamper indication   |

\*FDA acceptable dry ingredients listed as indirect food contact additives when used in food packaging with minimal opportunity for exposure

\*\*Highland brand

## Backing and Adhesive Applications Guide

| Backings         |   |   |   |   |
|------------------|---|---|---|---|
|                  | Cellophane  | UPVC  | Polypropylene   |   |
|                  | <ul style="list-style-type: none"> <li>Heat resistant</li> </ul>  | <ul style="list-style-type: none"> <li>Moisture resistant</li> <li>Chemical resistant</li> <li>Heat shrinkable</li> </ul>         | <ul style="list-style-type: none"> <li>Clear</li> <li>Conformable</li> </ul>  |   |
| <b>Adhesives</b> | <b>Natural Rubber</b> <ul style="list-style-type: none"> <li>Wet grab</li> <li>High adhesion</li> <li>Yellow color</li> </ul>                         | <ul style="list-style-type: none"> <li>High temperature splicing</li> </ul>   | <ul style="list-style-type: none"> <li>Sealing</li> <li>Holding</li> <li>Tabbing</li> </ul>   |   |
|                  | <b>Suggested Products</b>   | <b>610, 650</b>   | <b>681, 690</b>   |   |
|                  | <b>Synthetic Rubber</b> <ul style="list-style-type: none"> <li>Clear</li> <li>Superior adhesion</li> <li>Clean removal</li> </ul>                     | <ul style="list-style-type: none"> <li>Tabbing</li> <li>Bag closing</li> <li>Light packaging</li> <li>Hand application</li> </ul> | <ul style="list-style-type: none"> <li>Small L-clips</li> <li>Attaching</li> <li>Tamper evident seal</li> <li>Heat shrink</li> </ul>  | <ul style="list-style-type: none"> <li>Conformability</li> <li>General use packaging</li> </ul> |
|                  | <b>Suggested Products</b>   | <b>5912</b>   | <b>6887</b>   |   |
|                  | <b>Acrylic</b> <ul style="list-style-type: none"> <li>Clear</li> <li>Long aging</li> <li>Non-yellowing</li> <li>Cold temperature stability</li> </ul> |   | <ul style="list-style-type: none"> <li>Holding</li> <li>Attaching</li> <li>Small carton L-clips</li> <li>Tabbing</li> <li>Light duty packaging where clarity and aging are important</li> </ul> | <ul style="list-style-type: none"> <li>Cold temperature packaging</li> <li>Economics</li> </ul> |
|                  | <b>Suggested Products</b>   |   | <b>600, 640</b>   | <b>605, 5910</b>  |

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.

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70-0710-0398-5

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