

## Product Information

Tapes	Structure (Backing/Adhesive)	Backing Thickness mils (mm)	Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lbs./in. (N/100 mm)	Elongation at Break %	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 • Heat resistant	UPVC • Moisture resistant • Chemical resistant • Heat shrinkable	Polypropylene • Clear • Conformable
	Natural Rubber • Wet grab • High adhesion • Yellow color	• High temperature splicing	• Sealing • Holding • Tabbing
Adhesives	<b>Suggested Products</b>	<b>610, 650</b>	<b>681, 690</b>
	Synthetic Rubber • Clear • Superior adhesion • Clean removal	• Tabbing • Bag closing • Light packaging • Hand application	• Small L-clips • Attaching • Tamper evident seal • Heat shrink
	<b>Suggested Products</b>	<b>5912</b>	<b>6887</b>
	Acrylic • Clear • Long aging • Non-yellowing • Cold temperature stability		• Holding • Attaching • Small carton L-clips • Tabbing • Light duty packaging where clarity and aging are important
<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.

**Product Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. **Warranty, Limited Remedy, and Disclaimer:** Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

**3M**

### Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550, (Fax) 877-369-2923  
www.3M.com/packaging

3M and Highland are trademarks of 3M Company.  
Scotch is a registered trademark of 3M Company.

Printed in U.S.A. © 3M 2010  
70-0710-0398-5

**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



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.

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



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



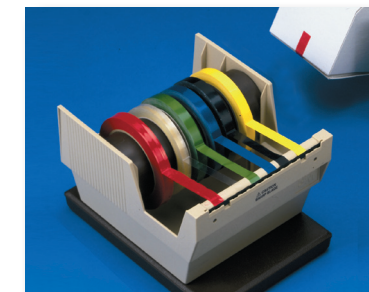
Scotch® Manual Dispenser S63 applies a neat, consistently sized L-clip of tape in a single pass of a box.



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.

## 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 acyclic 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

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