

**Scotch**<sup>®</sup>

# High Strength Filament Tapes

Three questions to make strength selection as easy as 1, 2, 3

**1. What is your application?**

Bundling, palletizing, non-RSC box closing, color coding reinforcing, coil tabbing, unitizing, combining, securing, other.

**2. How much tensile strength do you need?**

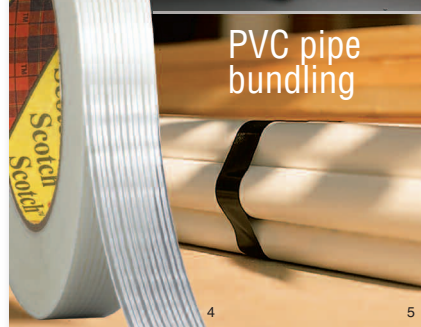
Tensile strength is the tape's resistance to breakage when pulled from opposite ends.

**3. What type of adhesive do you need?**

Natural rubber for hard-to-stick-to surfaces, synthetic rubber for a variety of other surfaces, or clean removal.

Answers will probably take you to one of twelve 3M™ High Strength Tapes in the streamlined selection at right. If your application requires a unique solution or tape characteristic, please review the selection chart on the back.

## Streamlined selection for application success



Product	Tensile Strength*
8930** Glass yarn reinforced	100 lbs./in.
8934** Glass yarn reinforced	100 lbs./in.
860** Tensitized polypropylene	110 lbs./in.
862 Tensitized polypropylene, polypropylene reinforced	120 lbs./in.



Product	Tensile Strength*
8898 Tensitized polypropylene, clean removal	160 lbs./in.
897 Glass yarn reinforced	170 lbs./in.
8651 Tensitized polypropylene, polypropylene reinforced, clear to see through	175 lbs./in.
880/880NR Polyester yarn reinforced, synthetic or natural rubber	270 lbs./in.



Product	Tensile Strength*
893 Glass yarn reinforced	300 lbs./in.
898/898NR Glass yarn reinforced, synthetic or natural rubber, first choice for L and C-clip closures of non-RSC boxes	380 lbs./in.
8919 Glass yarn reinforced, clean removal	380 lbs./in.
890 Glass yarn reinforced, natural rubber, our highest strength filament product	600 lbs./in.

\* ASTM Test Method D-3759 \*\* Tartan Brand

More than 60 years and still going strong



## Key Customer Markets

- Appliances
- Automotive Parts
- Carpet Manufacturing
- Construction
- Distribution Centers
- Food and Beverage
- General Industrial
- Government
- Metalworking
- MRO
- Oil and Gas
- Pipe Manufacturing
- Sporting Goods
- Window and Door Blinds

### Product Use:

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

### Warranty and Limited Remedy:

**3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE.** User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

### Limitation of Liability:

Except where prohibited by law, 3M and seller 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.



### Industrial Adhesives and Tapes Division

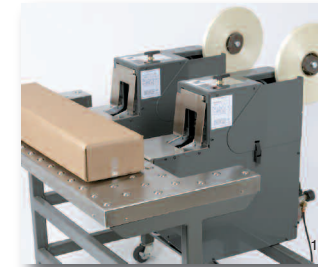
Bldg. 21-1W-10  
900 Bush Ave.  
St. Paul, MN 55106  
1-800-362-3550  
www.3M.com/packaging

3M and Tartan are trade marks of  
3M Company. Scotch is a registered  
trademark of 3M Company.  
© 3M 2008.  
70-0710-0374-6

## Specialized selection for application success

Key Characteristic	Scotch® and Tartan™ High Strength or Stretchable Tapes	
Adhesion to hard-to-stick-to surfaces	880NR, 898NR with natural rubber adhesive; 8988 for corrugated with high recycled content	
Clean removal	8896, 8898, 8915, 8916, 8916V, 8919	
Color Options	Black	860, 862, 880, 890, 894
	Blue	880, 8896, 8898, 8916V
	Ivory	8896, 8898
	Red	880, 8809, 899
	White	896
Graphics friendly	8651 clear for bar code scanning and allows graphics to show through	
Stretchability	8884, 8886	
UV resistance (Black)	860, 862, 880, 890, 894	
Roughly handled cases	8959	
Systems length	862, 864, 865, 893, 898, 8651, 8886, 8981, 8988	
Custom printed	Options available	
Equipment friendly	Scotch® High Strength Tapes can be applied efficiently with a variety of manual dispensers  Apply L-clips with 3M-Matic™ Applicators S-867, S-867 II, S-634, or manually with H-133  Apply 8886 with 3M™ Stretchable Tape Wrapper ST1000 or manually with H-138	

## Application Equipment and Manual Dispensers



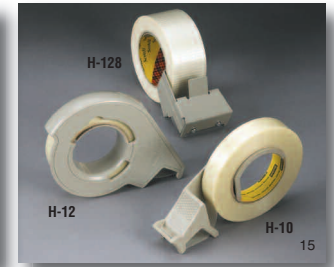
**3M-Matic™ Dual L-Clip Applicator S-867 II**  
applies up to 50 clips per minute, per head to non-standard packages. U-clip adapter available. Fully pneumatic, 4.5" L-clips.



**Scotch® Manual Filament Tape Dispenser S-634**  
applies L-clips as a package is slid across the dispenser's top surface.



**Scotch® Filament Tape Hand Dispenser H-133**  
applies up to 18 mm wide L-clips by hand.



**Scotch® Filament Dispensers**  
Hand-held dispensers for use with Scotch® High Strength Filament Tapes.



**Scotch® Stretchable Tape Dispenser**  
Hand-held dispenser with tensioning/stretching brake for use with 3M™ Stretchable Tapes 8884 and 8886.



**3M™ Stretchable Tape Wrapper ST1000**  
optimizes stretch ratio for the tape to stabilize loads quickly and reliably. Automatic wrapping and consistent X patterns.

More than  
60 years and still  
going strong