

Technical Data Sheet

3M™ Scotch® Filament Tape 897

Product Description

Scotch® Filament Tape 897 is a glass-filament-reinforced tape suitable for light to medium duty strapping, bundling, and reinforcing applications. Scotch® Tape 897 has a synthetic rubber adhesive with good adhesion to most fiberboard surfaces and to a variety of plastic and metal surfaces.



Product Features

- UL recognized 969 file MH26206
- Abrasion and moisture resistant.
- Allows printing and illustrations to be seen through the tape.
- Good shear and initial adhesion.
- Good aging.
- Protection of filaments and adhesive to provide longer package life.
- Maximizes package performance when exposed to outdoor and humid environments.
- Less tape needed for applications where high tensile strength is a main requirement.
- Clear display of graphics, artwork, and other important messages.
- Good holding with minimum amount of tape under wide range application conditions.
- Hold with minimum rubdown.
- Boxes remain closed for long period of time.

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	Additional Information
Backing	Biaxial Oriented Polypropylene(BOPP)	
Adhesive Type	Pressure sensitive synthetic rubber	
Backing Color	Clear	
Total Tape Thickness (mil)	5 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.127 mm	View 
Test Method: ASTM D3652		

Fiber Reinforcement

Glass Yarn

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	297.7 N/cm	View 
Test Method: ASTM D3759		
Tensile Strength (N/100mm)	2977 N/100mm	View 
Test Method: ASTM D3759		
180° Peel Adhesion	5.5 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	50 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	55 N/100mm	View 
Test Method: ASTM D3330		
Substrate: Stainless Steel		
Tensile Strength (lb/in)	170 lb/in	View 
Test Method: ASTM D3759		
Elongation at Break (%)	4 %	View 
Test Method: ASTM D3759		

Storage and Shelf Life

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

Bottom Matter

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Trademarks

Scotch is a registered trademark of 3M.

3M is a trademark of 3M.

Handling/Application Information

Application Techniques

An extensive line of hand-held dispensers is available. Application of Scotch® Filament Tape 897 is most easily accomplished at room temperature. At lower temperatures, approaching 32°F (0°C), the adhesive becomes firm. Once applied, Scotch® Tape 897 performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067702/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=897

Family Group

Link Tags:

• 897

Products	Backing	Adhesive Type	Tensile Strength (N/100mm)
897	Biaxial Oriented Polypropylene(BOPP)	Pressure sensitive synthetic rubber	2977 N/100mm

ISO Statement

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

Information

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