

Technical Data Sheet

Tartan™ Utility Filament Tape 8934

Product Description

Tartan™ Filament Tape 8934 is a glass filament reinforced tape for light duty strapping, bundling and reinforcing. It has a synthetic rubber resin adhesive with good adhesion to most fiberboard surfaces, and a variety of plastics and metal surfaces.



Product Features

- Abrasion and moisture resistant.
- High tensile strength.
- 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.
- Less tape needed at lower cost for applications where high tensile strength is a main requirement.
- Good holding under wide range of application conditions with minimum amount of tape.
- Holds with minimum rub-down.
- 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-resin	
Backing Color	Clear	
Total Tape Thickness (mil)	4 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.102 mm	View 
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	175.1 N/cm	View 
Test Method: ASTM D3759		
Tensile Strength (N/100mm)	1751 N/100mm	View 
Test Method: ASTM D3759		
180° Peel Adhesion	5.3 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	48 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	53 N/100mm	View 
Test Method: ASTM D3330		
Substrate: Stainless Steel		
Tensile Strength (lb/in)	100 lb/in	View 
Test Method: ASTM D3759		
Elongation at Break (%)	3 %	View 
Test Method: ASTM D3759		

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. Rotate your stock. To obtain best performance, use this product within 18 months from date of manufacture.

Bottom Matter

3M
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St. Paul, MN 55144-1000
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Trademarks

Tartan is a trademark of 3M Company.

Industry Specifications

This product might be suitable for use in indirect food contact applications. Please see the applicable Regulatory Data Sheet for more information relating to FDA compliance.

Handling/Application Information

Application Techniques

An extensive line of hand-held tape dispensers is available. Application of Tartan™ Filament Tape 8934 is most easily accomplished at room temperature. At lower temperatures approaching 32°F (0°C), the adhesive becomes firm. Once applied, Tartan tape 8934 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/b40067700/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8934

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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