

June, 2015

## 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.



Tartan™ Utility Filament Tape 8934

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                                    |       | Method     |
|----------------------|---|-------|------------|
| Backing Color        | Clear                                     |       |            |
| Total Tape Thickness | 0.102 mm                                  | 4 mil | ASTM D3652 |
| Backing              | Biaxial Oriented Polypropylene(BOPP)      |       |            |
| Adhesive Type        | Pressure sensitive synthetic rubber-resin |       |            |
| Fiber Reinforcement  | Glass Yarn                                |       |            |

Typical Performance Characteristics

| 180° Peel Adhesion |          | Notes                  | Substrate       |
|--------------------|----------|------------------------|-----------------|
| 5.3 N/cm           | 48 oz/in | 12 in/min (300 mm/min) |                 |
| 53 N/100mm         |          |                        | Stainless Steel |

Property: 180° Peel Adhesion  
Method: ASTM D3330

| Tensile Strength |              |           |
|------------------|--------------|-----------|
| 175.1 N/cm       | 1751 N/100mm | 100 lb/in |

Property: Tensile Strength  
Method: ASTM D3759

Elongation at Break: 3 %

Methods  
ASTM D3759

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.

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.

Trademarks

Tartan is a trademark of 3M Company.

Tartan™ Utility Filament Tape 8934

References

| Property                | Values  |
|-------------------------|---|
| 3m.com Product Page     | <a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~//Tartan-Filament-Tape-8934/?N=5002385+3293241462&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~//Tartan-Filament-Tape-8934/?N=5002385+3293241462&amp;rt=rud</a>       |
| Safety Data Sheet (SDS) | <a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=8934">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=8934</a> |

ISO Statement

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

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