

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              | Polypropylene film                        |       |            |
| Adhesive             | Pressure sensitive synthetic rubber-resin |       |            |
| Reinforcement        | Glass Yarn                                |       |            |

## Typical Performance Characteristics

| Peel Adhesion |            |          |
|---------------|------------|----------|
| 5.3 N/cm      | 53 N/100mm | 48 oz/in |

Property: Peel Adhesion  
Method: ASTM D3330  
Substrate: Stainless Steel

| 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.

## 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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