

Technical information sheet

Solventum™ Medical Tape 4578



Product description

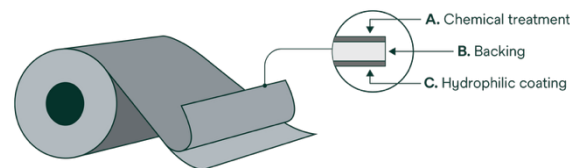
Medical Tape 4578 consists of a white spunlace polyester nonwoven backing, coated with a pressure sensitive acrylic adhesive used for longer wear applications. Medical Tape 4578 was designed for applications that require packaging the skin contact adhesive without a protective release liner and still retain the adhesion needed for several weeks wear time. May be used for health care medical devices.

Features and benefits

- Extended wear acrylic adhesive
- Safe for use on intact skin and non-sensitizing
- Flexible, conformable, extensible backing
- Excellent skin adhesion
- Skin-friendly during extended wear, acceptable skin condition after removal
- Wear time up to 28 days
- Able to be worn in wet conditions
- ETO sterilization compatible
- Extended storage capability in liner-free medical device applications
- Breathable

Composition

Release liner	~3.3 mil [~0.08 mm] 60 lbs. Bleached super calendared Kraft (SCK) paper liner, single coated silicone release
Adhesive	~4 mil [~0.10 mm] Solventum medical extended wear acrylic adhesive
Backing	~10mil [0.25mm] 100% Polyester white spunlace nonwoven, printable



Roll description

Roll length maximum <2"	250 yds (229 m)
Roll length maximum >= 2"	500 yds (457 m)
Roll length minimum	25 yds (22.9 m)
Roll width maximum	23 in (58 cm)
Roll width minimum	1 in (25 mm)
Splices per roll	Maximum: 4 per 1-100 yds (1-91 m) 6 per 101-200 yds (92-183 m) 8 per 201-300 yds (184-274 m) 10 per 301-400 yds (275-366 m) 12 per 401-500 yds (367-457 m)

Adhesion, liner release

Adhesion to low density polyethylene (LDPE), 180° peel	35 oz/in (0.11 N/cm)
Liner release, 180° peel	60 gm/in (0.23 N/cm)

Represents a typical value based on limited production data

Biocompatibility testing:

Solventum Medical Tape 4578 has been subjected to the following safety evaluations.

Study type	Test method	Standard	Result
Cytotoxicity	Agar overlay	ISO 10993-5	Not cytotoxic
Cytotoxicity	MEM elution	ISO 10993-5	Not cytotoxic
Skin Irritation	ISO skin irritation study in rabbits	ISO 10993-10	Non-irritating
Sensitization	ISO guinea pig maximization sensitization	ISO 10993-10	Non-sensitizing

Recommended storage & preliminary rollstock shelf life

Product as supplied by Solventum in original packaging will maintain stated properties for a period of two (2) years from date stamped on shipping container when stored at temperatures of 50-80°F (10-27°C) and a relative humidity between 40-60 percent. Product should be stored in the original packaging out of direct sunlight or high intensity indoor lighting.

Conditions based on Solventum internal studies may not be representative of actual end use/performance and we recommend our OEM customers run their own studies using their device design.

Please see reverse side for important product, safety and warranty information.

Product and safety information: User is solely responsible for determining the suitability of Solventum samples and products for the intended use including any necessary safety or toxicity assessment. Solventum will provide Material Safety Data Sheets or equivalent and summary results of biocompatibility testing upon request. In every case before using any product in full scale production users should conduct their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions.

Notice: Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendations to practice any invention covered by any patent, without authority from the owners of this patent.

Warranty information

All statements, technical information and recommendations herein are based on tests Solventum believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Solventum warrants only that products will meet Solventum's specifications at the time of shipment to the customer. Solventum does not offer any other warranty and does not warrant the performance, safety or such other characteristics of products in combination with other materials. Solventum specifically **does not** warrant products for any intended or unintended uses (whether or not foreseeable); for compatibility or suitability with other components or compatibility with any methods of manufacture or conversion. The foregoing warranty is made in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability, fitness for a particular purpose and freedom from non-infringement.

Limitation of remedies: If products are proven not to meet Solventum's specifications, the sole and exclusive remedy available and Solventum's only obligation shall be, at Solventum's option, to replace such quantity of products which are proven out of specification or to refund the purchase price paid for products.

Limitations of liabilities: The remedies provided herein are exclusive remedies against Solventum for any alleged or actual nonconformance to specifications or defect or other failure in products or for Solventum's performance of its supply obligations. Under no circumstances is Solventum liable for any direct, indirect, incidental, special or consequential damages (including lost profits) in any way related to the product under any theory of law including, but not limited to, negligence and strict liability.

Ordering information

Call us at Customer Service to place an order: 800-742-1994 (U.S.).

Visit our website: go.Solventum.com/MedTechOEM for product and services information, news about conferences we will be attending, new product highlights or to make a direct inquiry.

To have a sales representative contact you, to request samples or clinical and safety summaries, please contact us at Solventum Helpline 800-742-1994 (U.S.) or for international inquiries, please contact your local country representative.



Solventum MedTech OEM

Phone 1-800-742-1994

Web go.Solventum.com/MedTechOEM

©Solventum 2025. Solventum, the S logo and other trademarks are trademarks of Solventum or its affiliates.

2309637