



## Technical information sheet

### Solventum™ Medical Tape 4578

#### Product description

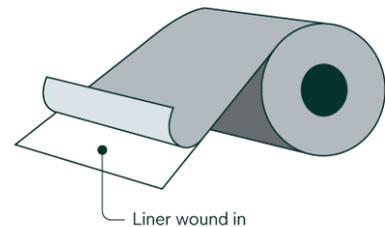
This spunlace polyester nonwoven fabric medical tape on a roll (Medical Tape 4578) consists of a white spunlace polyester nonwoven backing, coated with a pressure sensitive acrylic adhesive used for longer wear applications. Medical Tape 4578 was designed for applications that require packaging the skin 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
- Able to adhere to low surface energy (LSE) material
- 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

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



#### Roll description

<b>Roll length maximum &lt;2"</b>	250 yds (229 m)
<b>Roll length maximum &gt;= 2"</b>	500 yds (457 m)
<b>Roll length minimum</b>	25 yds (22.9 m)
<b>Roll width maximum</b>	23 in (58 cm)
<b>Roll width minimum</b>	1 in (25 mm)
<b>Splices per roll</b>	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

<b>Adhesion to low density polyethylene (LDPE), 180° peel</b>	35 oz/in (0.11 N/cm)
<b>Liner release, 180° peel</b>	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 conditions & 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.

**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.

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## **Ordering information**

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

Visit our website: [go.Solventum.com/MedTechOEM](https://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](https://go.Solventum.com/MedTechOEM)

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