MedTech OEM Segment

Solventum™ Medical Tape 4576

Product Description

Medical Tape 4576 is a single coated tape consisting of a proprietary pressure sensitive extended wear tackified acrylate adhesive coated on a white polyester spunlace nonwoven backing and paper release liner. May be used for healthcare medical devices.

Features and benefits

- Biocompatible
- Extended wear tackified acrylate adhesive
- Wear time up to 28 days
- Able to be worn in wet conditions
- Able to adhere to LSE materials
- Breathable
- Flexible, conformable, extensible backing
- Printable backing
- EtO sterilization compatible
- General medical device use

Composition

Backing	White polyester spunlace nonwoven	~10 mil / ~254 µm
Adhesive	Extended wear medical tackified acrylate adhesive	~4 mils / ~102 µm
Release liner	Bleached super calendered kraft (SCK) paper liner, silicone release coated two sides	~3.5 mils / ~89 µm

Wind orientation: Liner inside

Roll description	
Roll length maximum	350 yds / 320 m
Roll length minimum	25 yds / 23 m
Roll width maximum	48 in / 1220 mm
Roll width minimum	1 in / 25 mm
Splices per roll maximum	4 per 100 yds / 91 m 6 per 200 yds / 183 m 8 per 300 yds / 274 m 10 per 350 yds / 320 m

Typical properties			
Adhesion to low density polyethylene (LDPE), 180˚ peel (no dwell)	10 N/cm	2608 gmf/2.54 cm	92 ozf/in
Liner release, 180˚ peel	0.23 N/cm	59 gmf/2.54 cm	2.1 ozf/in

Test results, length, and width (minimum and maximum) represent typical values and should not be used for specification purposes.
Adhesion data for an adhesive/backing combination from a specified substrate can be impacted by dwell time, temperature, humidity, peel-angle and peel-speed.

Biocompatibility has been assessed in accordance with ISO 10993-1 and meets applicable acceptance criteria. A detailed biocompatibility summary is available on our website.

Recommended storage conditions and 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 room temperature 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.

*Shelf life relates to the Solventum warranty period for product performance compliant with release specification. When the product is converted in any way, the shelf life of the converted part and/or the shelf life of the end device that the product is incorporated into should be established by OEM customers. Storage conditions based on Solventum internal studies; these may not be representative of actual storage conditions for end use/material incorporated in medical device. We recommend our OEM customers run their own studies using their device design and required storage conditions.

The information provided is based on Solventum's internal studies of the product. Actual performance in end-use applications may vary due to factors outside of Solventum's control, including but not limited to device design, integration methods, and packaging configurations. OEM customers are solely responsible for conducting their own verification and validation studies to ensure suitability, compliance, and performance within their intended device and packaging systems.

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.

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