



MedTech OEM Segment

Solventum™ Medical Tape, 1533L Single Sided Tan Rayon Nonwoven Tape on Liner

Product Description

Medical single coated tape 1533L consists of proprietary pressure sensitive acrylate adhesive with a tan rayon nonwoven backing and paper release liner. May be used for healthcare medical devices.

Features and Benefits

- Biocompatible
- Acrylate Adhesive
- Conformable
- Good Adhesion to Skin
- Breathable
- Tears by Hand/Easy to Apply
- Printable Liner and Backing
- EtO and Gamma Sterilization Compatible
- General Medical Device Use

Composition

Backing	~2.6 mil (~70 µm) Tan Rayon Fiber Nonwoven
Adhesive	~2.9 mil (~70 µm) Medical Grade Acrylate Adhesive
Release Liner	~4.3 mils (~109 µm) Bleached Poly-coated Kraft (PCK) Paper Liner, Silicone Release Coated One Side

Wind orientation – Liner Inside

Roll Description	
Roll Length Maximum	450 yds (411 m)
Roll Length Minimum	25 yds (22.9 m)
Roll Width Maximum	48 in (1219mm)
Roll Width Minimum	1 in (25.4mm)
Splices per Roll Maximum	2 per 1 - 100 yds (1 – 91 m) 3 per 101 – 200 yds (92 – 183 m) 5 per 201 – 400 yds (184 – 365 m) 7 per 301 – 450 yds (275 – 411 m)

Typical Properties:			
Adhesion to Stainless Steel, 180° Peel, No Dwell	0.61 N/cm	158 gmf/2.54 cm	5.6 ozf/in
Liner Release, 180° Peel	0.037 N/cm	95.9 gmf/2.54 cm	3.38 ozf/in
Tensile Strength, MD, at break	8.74 N/cm	2264 gmf/2.54cm	80 ozf/in
Moisture Vapor Transmission Rate	4200 gms/m ² /24hr		

Test results, length, and width (minimum and maximum) represent typical values and should not be used for specification purposes.

1 N = ~102 gmf or ~3.6 ozf, 2.54 cm = ~1 inch.

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 Testing

Product 1533L has been subjected to the following safety evaluations.

Study Type	Tested Method	Standard	Results
Cytotoxicity	Agar overlay	ISO 10993-5	Mild-Reaction
Cytotoxicity	MEM Elution	ISO 10993-5	Mild-Reaction
Skin Irritation	ISO Skin Irritation Study in Rabbits	ISO 10993-10	Slight-Irritation
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.

*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.

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.

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

To place an order, call our Customer Service at: 800-742-1994 (U.S.). For all orders outside the United States, please contact your local country representative or check out 3M.com/MedTechFindaRep for your region's contact information.

To have a sales representative contact you, to request samples or clinical and safety summaries, please contact us at Solventum HELPLINE 800-228-3957 (U.S.) or check out 3M.com/MedTechContactUs for your region's contact information.

Visit our website: www.3M.com/MedTech for product and services information, news, events, new product highlights or to make a direct inquiry.

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