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1-800-773-0062

MedTech OEM Segment

# 3M™ Medical Silicone Tape 2477P, Double Sided Silicone/Acrylate Thermoplastic Elastomer

## Product Description

Medical Tape 2477P is double-sided and consists of proprietary silicone adhesive designed for general taping to sensitive or fragile skin, a conformable TPE film carrier, and a pressure sensitive acrylate adhesive. May be used for health care medical devices.

## Features and Benefits

- Dual Adhesive System
  - Gentle Silicone Adhesive for Attachment to Skin, Short-Term Wear, and can be Repositioned (After Initial Application)
  - Acrylate Adhesive for Bonding to Substrates
- Biocompatible and ETO Compatible
- Conformable Translucent
- Fluid Resistant
- Breathable
- Printable Liners
- General Medical Device Use

## Composition

Film Release Liner	~3 mil (76.2 μm) Clear Polyester, Non-Silicone/Non-Fluorinated Release Coated One Side
Silicone Adhesive	~4 mil (101.6 μm) Gentle Silicone Adhesive
Film Carrier	~1.5 mil (38.1 μm) Translucent TPE Film
Acrylate Adhesive	~1.7 mil (43.18 μm) Non-Tackified Acrylate Adhesive
Paper Release Liner	~3.5 mil (88.9 μm) Bleached Paper, Silicone Release Coated One side

Wind Orientation – Paper Release Liner Out

Roll Description	
Roll Length Maximum	220 yds (201 m)
Roll Length Minimum	25 yds (22.86 m)
Roll Width Maximum	23.75 in (603 mm)
Roll Width Minimum	1 in (25.4 mm)
Splices per Roll	Maximum 4 per 100 yds (91 m), 6 per 200 yds (183m), 8 per 220 yds (201m)

<b>Typical Properties:</b>			
<b>Adhesion to Steel, 180° Peel, Silicone Side</b>	~0.43 N/cm	~110 gmf/2.54 cm	~3.9 ozf/in
<b>Liner Release, 180° Peel, Silicone Side</b>	~0.055 N/cm	~14 gmf/2.54 cm	~0.51 ozf/in
<b>Adhesion to Steel, 180° Peel, Acrylate Side</b>	~2.3 N/cm	~590 gmf/2.54 cm	~21 ozf/in
<b>Liner Release, 180° Peel, Acrylate Side</b>	~0.10 N/cm	~26 gmf/2.54 cm	~0.91 ozf/in

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

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

### Biocompatibility Testing

Product 2477P has been subjected to the following safety evaluations.

<b>Study Type</b>	<b>Tested Method</b>	<b>Standard</b>	<b>Results</b>
<b>Cytotoxicity</b>	Agar overlay	ISO 10993-5	Not cytotoxic
<b>Cytotoxicity</b>	MEM Elution	ISO 10993-5	Not cytotoxic
<b>Skin Irritation</b>	ISO Skin Irritation Study in Rabbits	ISO 10993-10	Non-Irritating
<b>Sensitization</b>	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.

**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.

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#### **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 3M 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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