

When creating a preliminary data sheet, there are not yet enough measured values and/or production runs available to determine statistically validated average/limit values. In individual cases, production repeatability is not yet ensured.

# DuploMED® 22507



Diagnostic



Electrodes



Wound Care



Surgical



Ostomy



Consumer Healthcare



Wearables



## Product construction

	Name	Colour	Thickness (mm / mil)
Liner 1	Siliconized PET Film	transparent	approx. 0,077 / 3,03
Adhesive closed side	Pure Acrylic Copolymer	transparent	
Carrier	Polyamide Nonwoven	white	approx. 0,120 / 4,72
Adhesive open side	Pure Acrylic Copolymer	transparent	
Liner 2	Siliconized PET Film	transparent	approx. 0,050 / 1,97
	<b>Total thickness</b>		approx. 0,247 / 9,72

## Main application fields

- DuploMED® 22507 is used for the manufacturing of self-adhesive medical or technical devices

## Product advantages / Features and Benefits

- Good tack
- Skin friendly adhesive
- Good bonding strength to various plastic types, which can be used on device side

## Standard technical data

<b>Shear strength *</b>	on stainless steel 4 h, at +23 °C ± 2 °C (73.4 °F ± 35.6 °F)	> 5	N/625 mm <sup>2</sup>	> 17	oz/in <sup>2</sup>
<b>Peel strength * 180°</b>	on stainless steel at +23 °C ± 2 °C (73.4 °F ± 35.6 °F)	24	N/25 mm	5.6	lbs/in
<b>Grammage</b>				130 g/m <sup>2</sup>	
<b>Elongation</b>	according to DIN EN 29073-3 MD			45 %	
	according to DIN EN 29073-3 CD			68 %	
<b>Tensile strength</b>	according to DIN EN 29073-3 MD	12	N/15 mm	4.7	lbs/in
	according to DIN EN 29073-3 CD	3	N/15 mm	1.1	lbs/in
<b>Peel strength</b>	on polycarbonate at +23 °C ± 2 °C (73.4 °F ± 35.6 °F)	15	N/25 mm	3.4	lbs/in
<b>MVTR</b>	according to ISO 13726-2			280 g/m <sup>2</sup> /24 hrs	
<b>Loop Tack</b>	internal test method	23	N/1250 mm <sup>2</sup>	2.6	lbs/in <sup>2</sup>
<b>Liner Release</b>	internal test method	< 0,5	N/25 mm	< 1.8	oz/in

\* Test results are statistically approved.

# DuploMED® 22507

## Biocompatibility and safety

Customers should perform their own assessment to ensure the final product is in compliance with all applicable Medical Device regulatory requirements. To support the assessment, and upon request, Lohmann can provide, where available, biocompatibility testing results (ISO10993) specific to either the product supplied by Lohmann or its' constituent components.

## Application condition

<b>Recommended temperature for all conventional processing procedures</b>	20 °C to 30 °C (68 °F to 86 °F)
<b>Recommended application temperature</b>	18 °C to 40 °C (64,4 °F to 104 °F)
<b>Application guidelines</b>	<a href="http://www.lohmann-tapes.com">www.lohmann-tapes.com</a>

## Storage and shelf-life

Adhesive tapes should be stored at room temperature and normal humidity (50-70 %).  
When properly stored the shelf-life of the product is at least 2 years after delivery.

## Product presentation

Converted product	Rolls	Spools
<b>Width [mm / inch]</b>	on request	
<b>Length [m / yards]</b>	on request	
<b>Max. log width:</b>	460 mm (18.11 inch)	Other dimensions, die-cuts and sheets on request.



## IMPORTANT NOTE

The physical characteristics contained in this data sheet represent typical or average values. All application related statements, information and recommendations herein are given to the best of our knowledge and practical experience. Many factors beyond our control and uniquely within buyer's knowledge and control can affect the use and performance of our tape in a particular application. EXCEPT AS EXPRESSIVELY AGREED IN WRITING WE DO NOT TAKE OVER ANY WARRANTY OR LIABILITY FOR THE SUITABILITY OR USABILITY OF OUR TAPES FOR CERTAIN PURPOSES AND APPLICATIONS RESULTING FROM BUYER'S SPECIAL USAGE OF THE TAPES. EXCEPT WHERE PROVIDED BY MANDATORY LEGAL PROVISIONS, WE WILL NOT BE LIABLE FOR ANY DIRECT OR INDIRECT MATERIAL OR IMMATERIAL LOSSES OR DAMAGES ARISING FROM THE USAGE OR APPLICATION OF OUR TAPES. Solely the buyer is responsible for determining the suitability of the specific tape for its use in connection with his method of application. Please consult our Technical Applications Department for specific advice.

Date of issue: May 2022