

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

Double-sided acrylic tape with nonwoven carrier



Diagnostic



Electrodes



Wound Care



Surgical



Ostomy



Consumer Healthcare



Wearables



Product construction

	Name	Colour	Thickness (µm / mil)*
Liner 1	Siliconized film (Polyester)	transparent	75 / 2.95
Adhesive closed side	Pure acrylic	transparent	
Carrier	Nonwoven (Polyamide)	white	120 / 4.7
Adhesive open side	Pure acrylic	transparent	
Liner 2	Siliconized film (Polyester)	white-translucent	50 / 2.0
Total thickness			245 / 9.65

Main application fields

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

Product advantages / Features and Benefits

- Good bonding strength to various plastic types used as device components
- Skin friendly adhesive
- Good tack

Standard technical data **

Shear strength	on stainless steel 4 h, at 23 ± 2 °C (73.4 ± 3.6 °F)	> 5 N/625 mm ²	> 18 oz/in ²
Peel strength 180°	on stainless steel at 23 ± 2 °C (73.4 ± 3.6 °F)	24 N/25 mm	86 oz/in
	on polycarbonate at 23 ± 2 °C (73.4 ± 3.6 °F)	15 N/25 mm	54 oz/in
Grammage		130 g/m ²	
Elongation	according to DIN EN 29073-3 MD	45 %	
	according to DIN EN 29073-3 CD	68 %	
Tensile strength	according to DIN EN 29073-3 MD	12 N/15 mm	43 oz/0.6in
	according to DIN EN 29073-3 CD	3 N/15 mm	11 oz/0.6in
MVTR	according to ISO 13726-2	280 g/m ² /24 h	
Loop Tack	internal test method	23 N/1250 mm ²	83 oz/2in ²
Liner Release	internal test method	< 0,5 N/25 mm	< 1.8 oz/in

* Typical values, not intended to be used as product specification

** Specific test results, statistically not 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

Recommended temperature for all conventional processing procedures	20 °C to 30 °C (68 °F to 86 °F)
Recommended application temperature	18 °C to 40 °C (64,4 °F to 104 °F)
Application guidelines	www.lohmann-tapes.com

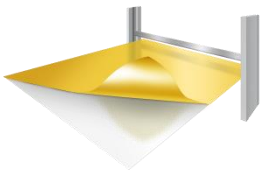
Storage and shelf-life

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
Width [mm / in]	on request	
Length [m / yd]	on request	
Max. log width [mm / in]	1250 / 49.2	Other dimensions, die-cuts and sheets on request.

Sheet



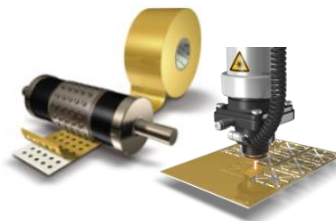
Roll



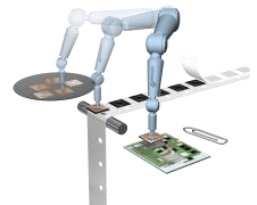
Spool



Die Cut



Pick & Place



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.

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