

For the preparation of a preliminary data sheet, there are not yet enough measured values and/or production runs to determine statistically validated average/limit values. In individual cases, the repeatability in terms of production technology is not yet ensured.

DuploMED® 85300

Single-sided acrylic tape with nonwoven carrier for long wear time applications on human skin



Diagnostic



Electrodes



Wound Care



Surgical



Ostomy



Consumer
Healthcare



Wearables



Product construction

	Name	Colour	Thickness (µm / mil)*
Liner	Siliconized paper	natural	100 / 3.9
Adhesive closed side	Pure acrylic	transparent	260 / 10.2
Carrier	Nonwoven (Polyurethane)	white	
	Total thickness		360 / 14.2

Main application fields

- DuploMED® 85300 is suitable for long wear applications on skin such as in wearable devices.

Product advantages / Features and Benefits

- Good bonding strength on skin for 28+ days
- Good breathability
- Flexibility and conformability
- Skin friendly adhesive

Standard technical data **

Peel strength	on stainless steel at +23 °C ± 2 °C (73.4 °F ± 3.6 °F)	14 N/25 mm	50 oz/in
	on PE at +23 °C ± 2 °C (73.4 °F ± 3.6 °F)	7 N/25 mm	25 oz/in
MVTR	according to ISO 13726-2		250 g/m ² /24 h

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

** Specific test results, statistically not approved

DuploMED® 85300

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

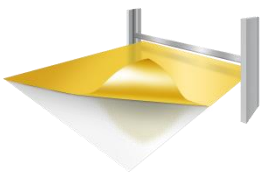
Storage and shelf-life

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	
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



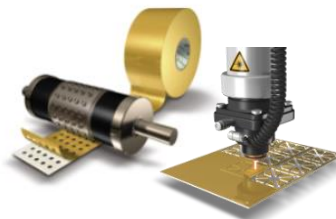
Roll



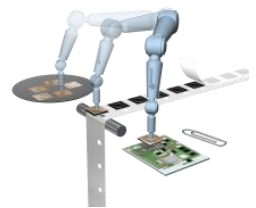
Spool



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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