

# DuploMED® 8171



Diagnostic



Electrodes



Wound Care



Surgical



Ostomy



Consumer  
Healthcare



Wearables



## Product construction

|                      | Name                            | Colour                 | Thickness (mm) |
|----------------------|---------------------------------|------------------------|----------------|
| Liner                | Silicone paper                  | white                  | approx. 0.08   |
| Adhesive closed side | Biocompatible acrylic copolymer | transparent            | approx. 0.05   |
|                      |                                 | <b>Total thickness</b> | approx. 0.13   |

## Main application fields

- Self-adhesive preparation of medical products

## Product advantages / Features and Benefits

- DuploMED® 8171 fulfills the requirements on biocompatibility in accordance with DIN EN ISO 10993-1 for application on human skin.
- Good bonding performance on human skin
- Very good water resistance in the bonded state

## Standard technical data

|                      |                                    |          |                       |
|----------------------|------------------------------------|----------|-----------------------|
| Shear strength *     | on stainless steel at +23 °C ± 2°C | 30       | N/625 mm <sup>2</sup> |
| Peel strength * 180° | on stainless steel at +23 °C ± 2°C | 12       | N/25 mm               |
| Grammage             | internal test method               | 50       | g/m <sup>2</sup>      |
| Release strength     | internal test method               | max. 0.4 | N/25 mm               |

\* Test results are statistically approved.

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## 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 application temperature | 18 °C to 35 °C   |
| Application guidelines              | <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  |
|-------------------|---------|---|
| Width [mm]        |         |   |
| Length [m]        |         |   |
| Max. log width:   | 1260 mm | 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