

DuploCOLL® 3605.2

Double-sided adhesive tape with polyester film and pure acrylic adhesive

| Product construction | | | |
|-----------------------|--------------------|---------------------------------|----------------|
| | Name | Colour | Thickness [mm] |
| Liner | Polyethylene paper | white | approx. 0,13 |
| Adhesive covered side | Pure acrylic | | |
| Carrier | Polyester film | transparent | approx. 0,11 |
| Adhesive open side | Pure acrylic | | |
| 2nd Liner (in sheets) | Polyethylene paper | white with product data imprint | approx. 0,13 |
| | | Total thickness: | approx. 0,37 |

Product advantages

- Appropriate initial adhesion (tack), repositionable at short term
- High final strength
- Maximum ageing and UV-resistance
- Resistance against weathering
- The adhesive has good to excellent resistance to oil, grease, cooling lubricants, acids, alkaline solutions, disinfectant, fuel and many other chemicals. (According to FINAT FTM 17)
- Excellent flatness and dimensional stability
- Good die-cutting properties
- Easily removable protective liner
- Non-slip liner
- Easy identification because of product marking
- High electrical resistance and dielectrically strength

Main application fields

- Spacer tape for the manufacture of membrane switches
- Bonding of overlay films
- Fixing of membrane switches on supporting plates
- Mounting of face plates, scales, nameplates and signs
- For electrical insulation between electrical / electronic components
- Spacer between battery cells for battery modules

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Specific technical data*

Electrical Properties***:

Electrical Surface resistance Ω /sq
according IEC 60243-1:2016 > 2,8 E+13 Ohm/sq

Electrical Volume resistance Ω *cm
according IEC 60243-1:2016 > 1,1 E+15 Ohm*cm

Dielectrically Strength AC > 11 kV
Rel. Dielectrically Strength AC > 98 kV/mm

Dielectrically Strength DC > 33 kV
Rel. Dielectrically Strength DC > 295 kV/mm

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tan λ 0,023

General:

Temperature range -40 °C to +150 °C**

Certified and recognized according to UL 969  File MH15429.PGGU2

* Specific test results, statistically not approved.

** Reached temperature in a rising heat test according to the internal test method PM-211 following DIN EN 1943 at 0,5 kg strength, beginning at 30 °C, increasing of temperature every 30 minutes by 10 °C.

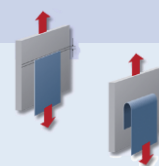
*** measured in external laboratories (not accredited to ISO/IEC 17025 and the specified test method)

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Technical Data

| | | |
|-----------------------|--|--------------------------|
| Shear strength | on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C | 40 N/625 mm ² |
| Peel strength | on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C | 14 N/25 mm |



Application

| | |
|--|--|
| Recommended application temperature | 18 °C to 35 °C |
| Application guidelines | www.lohmann-tapes.com |

Storage

Adhesive tapes should be stored at room temperature and normal humidity (50-70 %).
The storage stability is two years after delivery.

Product presentation

| | | | | | |
|--------------------------------|---|--|--|--|--|
| Converted product | Sheets | | | | |
| Width [mm] | 1000 | | | | |
| Length [m] | 0,7 | | | | |
| Max. log width: 1400 mm | Other dimensions, die-cuts and sheets on request. | | | | |

For mechanical mounting of this adhesive tape we also offer a wide range of application devices.

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: April 2021

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 **Lohmann**
The Bonding Engineers