

# DuploCOLL® 364.2

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. 0,23
Adhesive open side	Pure acrylic		
2 <sup>nd</sup> Liner (in sheets)	Polyethylene paper	white with product data imprint	approx. 0,13
<b>Total thickness:</b>			approx. 0,49

## 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** > 2,8 E+13 Ω/sq  
according to IEC 62631-3-2

**Electrical Volume Resistance** > 5 E+14 Ω\*cm  
according to IEC 62631-3-1

**Dielectric Strength AC** > 13 kV

**Rel. Dielectric Strength AC** > 58 kV/mm

according to IEC 60243-1

**Dielectric Strength DC** > 36 kV

**Rel. Dielectric Strength DC** > 155 kV/mm

according to IEC 60243-2

**ε<sub>r</sub>** 3,54

according to DIN EN 60674-2

**tan λ** 0,017

according to DIN EN 60674-2

### 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.

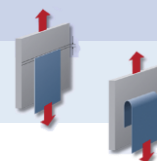
\*\*\* measured in external laboratories (not accredited to ISO/IEC 17025 and the specified test method)

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## Technical Data

<b>Shear strength</b>	on stainless steel at +23 °C +/- 2°C	40 N/625 mm <sup>2</sup>
<b>Peel strength 180°</b>	on stainless steel at +23 °C +/- 2°C	14 N/25 mm



## Application

<b>Recommended application temperature</b>	18 °C to 35 °C
<b>Application guidelines</b>	<a href="http://www.lohmann-tapes.com">www.lohmann-tapes.com</a>

## Storage

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

## Product presentation

<b>Converted product</b>	Sheets
<b>Width [mm]</b>	1000
<b>Length [m]</b>	0,7
<b>Max. log width: 1400 mm</b>	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.

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Lohmann GmbH & Co. KG  
Irlicher Strasse 55  
56567 Neuwied  
Germany  
Phone: + 49 (0) 26 31 34 - 0  
Fax: + 49 (0) 26 31 34 - 6661  
E-mail: [info@lohmann-tapes.com](mailto:info@lohmann-tapes.com)

For further information  
[www.lohmann-tapes.com](http://www.lohmann-tapes.com)

