

DuploCOLL® 3651.2

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

Product construction			
	Name	Colour	Thickness [mm]
Liner	PE paper	white	approx. 0,12
Adhesive	Pure acrylic		approx. 0,22
Carrier	Polyester film	transparent	
		Total thickness:	approx. 0,34

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

- Fixing of individual elements (snap disks) in a membrane switch assembly
- 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 according to IEC 62631-3-2	> 2,8 E+13 Ω/sq
Electrical Volume Resistance according to IEC 62631-3-1	> 5,7 E+14 Ω*cm
Dielectric Strength AC Rel. Dielectric Strength AC according to IEC 60243-1	> 13,3 kV > 60 kV/mm
Dielectric Strength DC Rel. Dielectric Strength DC according to IEC 60243-2	> 60 kV > 272 kV/mm
ε_r according to DIN EN 60674-2	2,94
tan λ according to DIN EN 60674-2	0,013
General:	
Temperature range	-40 °C up to +150 °C**

* Specific test results, statistically not approved.

** Reached temperature in a rising heat test.

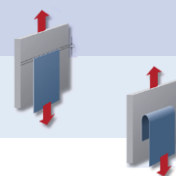
*** measured in external laboratories (not accredited to ISO/IEC 17025 and the specified test method)

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Technical Data

Shear strength	on stainless steel at +23 °C +/- 2°C	40 N/625 mm ²
Peel strength 180°	on stainless steel 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.

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: March 2022

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