

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

Electrical Volume resistance Ω *cm
according IEC 60243-1:2016 > 5,7 E+14 Ohm*cm

Dielectrically Strength AC > 13,3 kV
Rel. Dielectrically Strength AC > 60 kV/mm

Dielectrically Strength DC > 60 kV
Rel. Dielectrically Strength DC > 272 kV/mm

ϵ_r 2,94

tan λ 0,013

General:

Temperature range -40 °C up to +150 °C**

* 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.

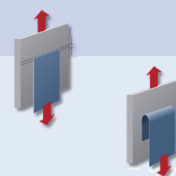
*** measured in external laboratories (not accredited to ISO/IEC 17025 and the specified test method)

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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.				

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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