

# DuploCOLL® 102

Art. No. 11 805 E 05

**Double-sided pressure-sensitive adhesive tape for mounting and permanent bonding on smooth and rough surfaces**

## Product construction

	Name	Colour	Thickness [mm]
<b>Liner</b>	Polyethylene paper	white, printed	approx. 0,130
<b>Adhesive</b>	Pure acrylic		approx. 0,100
<b>Total thickness:</b>			approx. 0,230

## Product advantages

- Tested and recognized according to UL 969
- The use of a high strength pure acrylic adhesive guarantees maximum resistance to ageing and UV-radiation
- 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)
- The high initial adhesion (tack) offers high application security immediately after mounting
- The PE coated release paper increases the transparency of the adhesive film avoids wrinkles at high humidity fluctuations and offers excellent die-cutting properties
- DuploCOLL® 102 meets the requirements laid down in the FMI specification
- Excellent die-cutting properties
- Easily removable protective liner
- Non-slip liner

## Main application fields

- Mounting of plates, emblems, face plates, decorative trims and scales where a particularly high transparency is required
- Manufacture of membrane switches
- Bonding of product samples and displays in the advertising industry

## Product features

Shear strength	● ● ●
Initial adhesion (tack)	● ● ○
Final adhesion	● ● ○
Dimensional stability	● ○ ○
Adhesion on even surfaces	● ● ●
Adhesion on rough surfaces	● ● ○
Ageing resistance	● ● ●
Weathering resistance	● ● ●
Chemical resistance	● ● ●
Resistance to plasticizers	● ● ○

## Applicability on

FR 2 / FR 4 printed circuit board (PCB)	● ● ●
Foam	● ○ ○
Rubber	● ○ ○
Fabric	● ● ○
Glass/Ceramics	● ● ●
Wood	● ● ○
High energy plastics: PVC, PC, ABS,...	● ● ●
Low energy plastics: PE, PP,...	● ○ ○
Metal	● ● ●
Paper/Cardboard	● ● ○

● ● ● very suitable    ● ● ○ suitable    ● ○ ○ suitable with reductions    ○ ○ ○ not suitable

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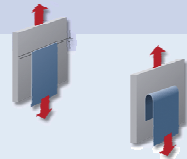
### Specific technical data\*

**Temperature range** -40°C 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

### Technical Data

<b>Shear strength</b>	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	50 N/625 mm <sup>2</sup>	
<b>Peel strength</b>	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	18 N/25 mm	

### Application

**Recommended application temperature** 18 °C to 35 °C

**Application guidelines** [www.lohmann-tapes.com](http://www.lohmann-tapes.com)

### Storage

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

### Product presentation

<b>Converted product</b>	Rolls		
<b>Width [mm]</b>	> 19	> 25	> 50
<b>Length [m]</b>	50	100	200
<b>Max. log width: 1000 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.

The physical characteristics contained in our data sheets represent typical or average values. They do not represent any warranties or guarantees and must not be used for technical specification purposes. All application related statements, information and recommendations herein are given to the best of our knowledge and practical experience. The buyer is responsible for determining the suitability of the specific tape for its intended use in connection with user's method of application. Please consult our Technical Applications Department for specific advice. Our general Term and Conditions of Sale apply, particularly with regard to warranty and liability.

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Concerning product safety (confirmation, conformity to guidelines, REACH, etc.) please use the following  
E-mail address: [products.safety@lohmann-tapes.com](mailto:products.safety@lohmann-tapes.com)

