

# DuploCOLL® 810

Environmentally friendly, double-sided adhesive tape with special paper carrier

Product construction			
	Name	Colour	Thickness [mm]
Liner	Silicone paper	brown-yellow	approx. 0,08
Adhesive covered side	Dispersion acrylic		
Carrier	Special paper	white	approx. 0,11
Adhesive open side	Dispersion acrylic		
			<b>Total thickness:</b> approx. 0,19

## Product advantages

- Excellent initial adhesion (tack) and cohesion
- Good resistance to ageing and UV-radiation
- The outstanding viscoelastic adhesive formulation makes it particularly suitable for coarse-pored material surfaces

## Main application fields

- Self-adhesive preparation of plastics, metal, paper, ceramics, textile, foam and felt
- Used in the manufacture of carpet trims

Product features		Applicability on	
Initial adhesion	● ● ○	Foam	● ● ●
Final adhesion	● ● ○	Rubber	● ● ○
Dimensional stability	● ● ○	Fabric	● ● ●
Adhesion on even surfaces	● ● ●	Glass/Ceramics	● ● ○
Adhesion on rough surfaces	● ● ○	Wood	● ● ○
Ageing resistance	● ● ●	High energy plastics: PVC, PC, ABS,...	● ● ●
Weathering resistance	● ● ○	Low energy plastics: PE, PP,...	● ● ○
Chemical resistance	● ○ ○	Metal	● ● ●
Resistance to plasticizers	● ○ ○	Paper/Cardboard	● ● ●
● ● ● very suitable    ● ● ○ suitable    ● ○ ○ suitable with reductions    ○ ○ ○ not suitable			

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## Specific technical data\*

Temperature range	-40 °C to +120 °C
Temperature range under stress	-40 °C to +80 °C**
Peel strength according to DIN EN 1939 after 24 hours storage at room temperature on:	
Polyamide	14 N/25 mm
Polycarbonate	33 N/25 mm

\* Specific test results, statistically not approved.

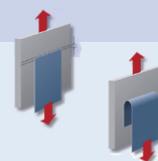
\*\* Reached temperature in a rising heat test according to the internal test method PM-211 following DIN EN 1943 at 0,5 kg strength, beginning at 30 °C, increasing of temperature every 30 minutes by 10 °C.

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### Technical Data

<b>Shear strength</b>	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	10 N/625 mm <sup>2</sup>
<b>Peel strength</b>	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	30 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 one year after delivery.

### Product presentation

<b>Converted product</b>	Rolls		
<b>Width [mm]</b>	> 6	> 10	> 19
<b>Length [m]</b>	50	100	200
<b>Max. log width: 1500 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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