

# DuploCOLL® 5011

## Double-sided adhesive mounting tape with modified acrylic adhesive and foam carrier

Product construction			
	Name	Colour	Thickness [mm]
Liner	PE paper	white	approx. 0,16
Adhesive covered side	Modified acrylic		
Carrier	Polyethylene foam	white	approx. 1,00
Adhesive open side	Modified acrylic		
<b>Total thickness:</b>			approx. 1,16

### Product advantages

- Good initial and final adhesion
- Good ageing resistance
- Extensive resistance to the influence of chemicals (domestic cleaning materials and polishing agents)
- The combination of modified acrylic adhesive and compressible polyethylene foam guarantees a very good bonding even on rough and uneven surfaces.

### Main application fields

- Bonding of displays and product samples
- Making extruded plastic profiles self-adhesive

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 +90 °C
Rising heat test** at a steel-PET-bonding, beginning at 20 °C, increasing temperature every 30 min. by 10 °C	no loss of adhesion up to 70 °C
Peel strength on polypropylene after 24 h at room temperature	12 N/25 mm

\* Specific test results, statistically not approved.

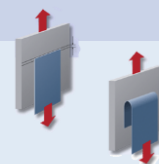
\*\* Reached temperature in a rising heat test according to the internal test method PM-211 following DIN EN 1943 at 0,5 kg strength, beginning at 30 °C, increasing of temperature every 30 minutes by 10 °C.

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### Technical Data

<b>Shear strength</b>	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	40 N/625 mm <sup>2</sup>
<b>Peel strength</b>	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	22 N/25 mm (foam rupture)



### 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		Spools		
<b>Width [mm]</b>	> 6	> 9	on request		
<b>Length [m]</b>	50	50/100			
<b>Max. log width: 1260 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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