

DuploCOLL® 160

Carrierless double-sided pressure sensitive adhesive tape

Product construction

	Name	Colour	Thickness [mm]
Liner	Silicone paper	yellow	approx. 0,08
Adhesive covered side	Modified acrylic		approx. 0,06
Total thickness:			approx. 0,14

Product advantages

- The modified acrylic adhesive is distinguished by high initial adhesion and enters into the pores and cell structures of materials on account of its soft consistency. The effective bonding surface therefore is greatly increased.
- Resistant to ageing and UV-radiation
- Suitable for rough, flexible surfaces, particularly for foam lamination at room temperature. Only slight laminating pressure is required.

Main application fields

- Bonding of coarse-celled materials like cellular rubber and textiles
- Mounting of rear trunk linings (felt, carpet)
- Laminating of polyurethane, PVC and polyethylene foams

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 +150 °C**
Adhesive strength on PE after 24 h at room temperature	11 N/25 mm
Adhesive strength on PP after 24 h at room temperature	17 N/25 mm
Adhesive strength on ABS after 24 h at room temperature	27 N/25 mm
Adhesive strength on PC after 24 h at room temperature	31 N/25 mm

* Specific test results, statistically not approved.

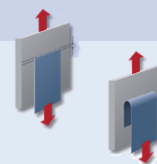
** Reached temperature in a rising heat test according to the internal test method PM-211 following DIN EN 1943 at 0,5 kg strength, beginning at 30 °C, increasing of temperature every 30 minutes by 10 °C.

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Shear strength	on steel according to DIN EN 1943; edition 1996, at +23 °C +/- 2°C	35 N/625 mm ²
Peel strength	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	26 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 one year after delivery.

Product presentation

Converted product	Rolls					
Width [mm]	> 12	> 25	> 50			
Length [m]	50	100	200			
Max. log width: 1260 mm	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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