

DuploCOLL® 330

Differential “Perm/Peel” double-sided pressure sensitive adhesive tape with polyester film carrier

Product construction			
	Name	Colour	Thickness [mm]
Liner	Silicone paper	white	approx. 0,06
Adhesive covered side	Modified acrylic		
Carrier	Polyester film	transparent	approx. 0,10
Adhesive open side	Dispersion acrylic		
Total thickness:			approx. 0,16

Product advantages

- Used for removable bondings
- Aggressive adhesive formulation on the open side
- The low adhesion closed side of the tape allows the easy removal from a wide variety of materials without leaving residues

Main application fields

- Reversible bag closure tape for polyethylene or polypropylene bags
- Self-adhesive preparation of spacers and transportation locks which has to be removed without leaving residues

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 +140 °C

Peel strength open side according to DIN EN 1939 after 10 minutes storage at room temperature on different substrates:

Polypropylene	34 N/25 mm
Polyethylene	8 N/25 mm
Glass	37 N/25 mm
Steel	37 N/25 mm

Peel strength closed side according to DIN EN 1939 after 10 minutes storage at room temperature on different substrates:

Polypropylene	4 N/25 mm
Polyethylene	1 N/25 mm
Glass	5 N/25 mm
Steel	5 N/25 mm

Peel strength open side according to DIN EN 1939 after 24 hours storage at room temperature on different substrates:

Polypropylene	32 N/25 mm
Polyethylene	32 N/25 mm
Glass	34 N/25 mm
Steel	35 N/25 mm
Polystyrene	18 N/25 mm
PVC	22 N/25 mm

Peel strength closed side according to DIN EN 1939 after 24 hours storage at room temperature on different substrates:

Polypropylene	3 N/25 mm
Polyethylene	1 N/25 mm
Glass	5 N/25 mm
Steel	6 N/25 mm
PVC	12 N/25 mm
Lacquer	9 N/25 mm
ABS	12 N/25 mm

* Specific test results, statistically not approved.

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Specific technical data*

Temperature resistance in bond (covered on both sides):

Peel strength open side according to DIN EN 1939 after 14 days storage at 50 °C on

Glass 38 N/25 mm

Steel 38 N/25 mm

Peel strength closed side according to DIN EN 1939 after 14 days storage at 50 °C on

Glass 7 N/25 mm

Steel 9 N/25 mm

Peel strength open side according to DIN EN 1939 after 14 days storage at 70 °C on

Glass 38 N/25 mm

Steel 39 N/25 mm

Peel strength closed side according to DIN EN 1939 after 14 days storage at 70 °C on

Glass 7 N/25 mm

Steel 13 N/25 mm

Tack Loop Test on steel at room temperature

Open side 30 N/1250 mm²

Closed side 7 N/1250 mm²

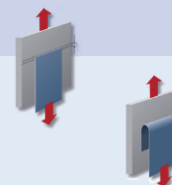
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Technical Data

Shear strength	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	open side:	8 N/625 mm ²
		closed side:	16 N/625 mm ²
Peel strength	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	open side:	37 N/25 mm
		closed side:	7 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		Spools on request		
Width [mm]	> 6	> 12			
Length [m]	50	100/200			
Max. log width: 1000 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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 **Lohmann**
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