

DuploCOLL® 5003 LSE

Double-sided adhesive mounting tape with foam carrier and aggressive synthetic rubber adhesive

Product construction

	Name	Colour	Thickness [mm]
Liner	Silicone Paper	white, printed	approx. 0,08
Adhesive covered side	Synthetic rubber		
Carrier	Polyethylene foam	white	approx. 0,80
Adhesive open side	Synthetic rubber		
Total thickness:			approx. 0,88

Product advantages

- Very high initial adhesion (tack)
- Good specific adhesion on low surface energy substrates such as polyethylene and polypropylene
- Excellent final strength
- Developed for interior applications
- The combination of a synthetic rubber and permanently resilient polyethylene foam guarantees a very good bonding even on rough and structured surfaces.
- Powerful even at high temperatures up to +80 °C

Main application fields

- Mounting of hooks, holders and dispensers even in the bathroom areas
- Self-adhesive preparation of covalent plastics such as polyolefins and Teflon
- Bonding of point of sales displays and product samples
- Mirrors in the furniture industry

Product features

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

Specific technical data*

Temperature range -40 °C to +90 °C

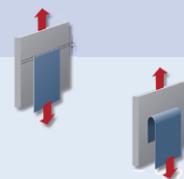
* Specific test results, statistically not approved.

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Technical Data

Shear strength	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	40 N/625 mm ²
Peel strength	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	35 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]	> 6				
Length [m]	50/100				
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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 **Lohmann**
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