

DuploCOLL® 5016

Double-sided pressure sensitive adhesive mounting tape with a modified acrylic adhesive and a compressible foam carrier

Product construction

	Name	Colour	Thickness [mm]
Liner	Silicone paper	yellow	approx. 0,08
Adhesive covered side	Modified acrylic	transparent	approx. 0,45
Carrier	Polyethylene foam	black	
Adhesive open side	Modified acrylic	transparent	
Total thickness:			approx. 0,53

Product advantages

- High initial adhesion (tack)
- High shear strength
- Excellent resistance to ageing, weathering and temperature
- Extensive resistance to the influence of chemicals and solvents (domestic cleaners and polishing agents)
- On account of its compressible and elastic foam carrier the adhesive tape assures a perfect adaption to surfaces by compensating for different expansion coefficients of the substrates that are joined.
- Suitable for indoor and outdoor applications on smooth and slightly rough surfaces.

Main application fields

- Self-adhesive preparation of extruded plastic and cover profiles for a permanent mounting in the furniture industry
- Mounting of decorative parts, doublings, stay bars on the most various decoration surfaces and on glass
- Fastening of face plates, holders and cable ducts in the phono-, household appliances-, and electro industry
- Self-adhesive preparation of nameplates and signs
- Mounting of exterior and interior mirrors in plastic housings in the automotive industry. Shatter protection!

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**
Peel strength according to DIN EN 1939 after 24 hours storage at room temperature on laquer:	39 N/25 mm
Hydrolysis resistance: Peel strength according to DIN EN 1939 after 7 days storage at 38 °C, 100 % relative humidity on	
Steel	38 N/25 mm
Polypropylene	30 N/25 mm
Ageing resistance: Dynamic shear strength after 24 hours storage at room temperature on laquer	546 N/375 mm ²

* 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.

Specific foam data*

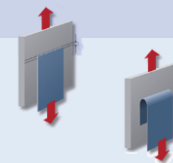
Compression force (ISO 3386-1)	56 kPa at 10 % 410 kPa at 50 %
Rest deformation (ISO 1856-C)	1 % (compr. at 25 %; after 24h of release)
Hygroscopicity (ISO 2896)	< 1 %
Shore hardness (ASTM D2240)	44

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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	40 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		
Width [mm]	> 6	> 12	on request		
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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