

DuploCOLL® 50220

Double-sided adhesive mounting tape with high loading capacity and a closed-cell polyethylene foam carrier

Product construction

	Name	Colour	Thickness [mm]
Liner	Polyethylene paper	white	approx. 0,16
Adhesive covered side	Pure acrylic		
Carrier	Polyethylene foam	black	approx. 0,45
Adhesive open side	Pure acrylic		
Total thickness:			approx. 0,61

Product advantages

- Good initial adhesion (tack) and high final adhesion.
- Excellent resistance to temperature, UV radiation, weathering and ageing.
- Excellence 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.
- Good sealing properties against moisture and splash water due to the closed-cell foam carrier
- DuploCOLL® 50220 has a vibration dampening effect.
- Suitable for indoor and outdoor applications on smooth surfaces.

Main application fields

- Permanent fastening of face plates, holders and cable ducts in the household appliances-, and electro industry.
- Mounting of slightly uneven substrates.
- Self-adhesive preparation of nameplates and signs.

Product features

Initial adhesion (tack) ● ● ○
 Final adhesion ● ● ●
 Dimensional stability ● ● ●
 Adhesion on even surfaces ● ● ●
 Adhesion on rough surfaces ● ○ ○
 Ageing resistance ● ● ●
 Weathering resistance ● ● ●
 Chemical resistance ● ● ●
 Resistance to plasticizers ● ● ●

Applicability on

Foam ○ ○ ○
 Rubber ● ● ○
 Glass/Ceramics ● ● ●
 Wood ● ● ○
 High energy plastics: PVC, PC, ABS,.. ● ● ●
 Low energy plastics: PE, PP,.. ● ○ ○
 Metal ● ● ●

● ● ● very suitable ● ● ○ suitable ● ○ ○ suitable with reductions ○ ○ ○ not suitable

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Specific technical data*

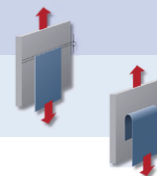
Temperature range -40 °C to +105 °C**

Certified and recognized according to UL 746C 

* Specific test results, statistically not approved.

** Technical data in a rising heat test.

Shear strength	on stainless steel at +23 °C +/- 2°C	70 N/625 mm ²
Peel strength 180°	on stainless steel at +23 °C +/- 2°C	18 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 two years after delivery.

Product presentation

Converted product	Rolls	Spools
Width [mm]	> 5	> 9 on request
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**
The Bonding Engineers