

# DuploCOLL® 56003

Art. No. 11 00 96

**High load capacity double-sided adhesive mounting tape with a closed cell polyethylene copolymeric foam**

## Product construction

	Name	Colour	Thickness [mm]
Liner	Polyethylene film	yellow	approx. 0,10
Adhesive covered side	Pure acrylic		
Carrier	Polyethylene foam	black	approx. 2,00
Adhesive open side	Pure acrylic		
<b>Total thickness:</b>			approx. 2,10

## Product advantages

- Appropriate initial adhesion (tack)
- High final adhesion
- High resistance to temperature, ageing, UV-radiation and weathering
- DuploCOLL® 56003 absorbs vibrations and compensates for different expansion coefficients of the substrates that are joined.

## Main application fields

- Mounting tape for glass and metal constructions


## Product features

## Applicability on

Initial adhesion	● ● ○	Foam	○ ○ ○
Final adhesion	● ● ●	Rubber	○ ○ ○
Dimensional stability	● ○ ○	Lacquer	● ● ●
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 +100 °C
Temperature range in a rising heat test	- 40 °C to +140 °C**
Certified and recognized according to UL 746C 	
Thermal conductivity (Hot Disk process)	0,067 W/mK
Design value according to the ift Guideline VE 08/01	0,36 N/mm <sup>2</sup> (ift test report 507 36747/3 R1 dated 29 Aug 2009)

\* 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

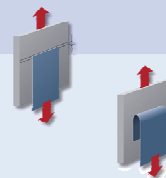
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## Technical Data

<b>Shear strength</b>	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2 °C	60 N/625 mm <sup>2</sup>
<b>Peel strength</b>	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2 °C	38 N/25 mm



## Application

**Recommended application temperature** 18 °C to 35 °C

**Application guidelines** [www.lohmann-tapes.com](http://www.lohmann-tapes.com)

## Storage

Adhesive tapes should be stored at room temperature and normal humidity (50-70 %).

The storage stability is 2 years after delivery.

## Product presentation

<b>Converted product</b>	Rolls		Spools
<b>Width [mm]</b>	> 6	> 12	on request
<b>Length [m]</b>	50	100	
<b>Max. log width: 1260 mm</b>	Other dimensions, die-cuts and sheets on request.		

For mechanical mounting of this adhesive tape we also offer a wide range of application devices.

The physical characteristics contained in our data sheets 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. WE MAKE NO WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. Solely the buyer is responsible for determining the suitability of the specific tape for its intended use in connection with his method of application. Except where prohibited by law, we will not be liable for any loss or damage arising from the our tapes, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. Please consult our Technical Applications Department for specific advice.

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Concerning product safety (confirmation, conformity to guidelines, REACH, etc.) please use the following  
 E-mail address: [product.safety@lohmann-tapes.com](mailto:product.safety@lohmann-tapes.com)