# DuploCOLL® 55010

## Double-sided pressure-sensitive tape with a pure acrylic adhesive and a polyethylene foam carrier

Product construction Product construction				
	Name	Colour	Thickness [mm]	
Liner	Silicone paper	yellow	approx. 0,08	
Adhesive covered side	Pure acrylic			
Carrier	Polyethylene foam	black	approx. 0,80	
Adhesive open side	Pure acrylic			
		Total thickness:	approx. 0,88	

## **Product advantages**

- Maximum resistance to ageing, UV-radiation, weathering and plasticizers
- The high initial adhesion (tack) offers a reliable bond immediately after application
- Maximum final adhesion is reached after approx 24 hours
- DuploCOLL® 55010 absorbs vibration and compensates for different expansion coefficients of the substrates that are joined

Product features		Applicability on	
Initial adhesion (tack) Final adhesion Dimensional stability Adhesion on even surfaces Adhesion on rough surfaces Ageing resistance Weathering resistance Chemical resistance Resistance to plasticizers		Foam Rubber Fabric Glass/Ceramics Wood High energy plastics: PVC, PC, ABS, Low energy plastics: PE, PP, Metal Paper/Cardboard	
● ● very suitable    ● ○ suitable	● ○ ○ suitable with reduction	s 000 not suitable	

Specific technical data*	
Temperature range	-40 °C to +90 °C



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Technical Data			10
Shear strength	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	25 N/625 mm <sup>2</sup>	
Peel strength	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	35 N/25 mm	.A. 10

Foam specification		
Density	83 kg/m³	ISO 845
Compression resistance:		
To 10 % Compression	48 KPa	ISO 844
To 25 % Compression	75 KPa	
To 50 % Compression	155 KPa	

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]	> 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.



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#### **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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