

DuploCOLL® VP 6504

Art. No. 11 01 72

Double-sided thin film tape

Product construction			
	Name	Colour	Thickness [mm]
Liner	Silicone paper	yellow	approx. 0,08
Adhesive covered side	Modified acrylic		
Carrier	Polyester film	transparent	approx. 0,07
Adhesive open side	Modified acrylic		
Total thickness:			approx. 0,15

Product advantages

- Thin tape construction with good dimensional stability
- Good initial and final adhesion
- High shear strength
- Good ageing and UV resistance
- Extensive resistance to the influence of chemicals (domestic cleaning material and polishing agents)
- Easy release liner system
- Excellent converting and die-cutting properties

Main application fields

- Permanent bonding and self-adhesive preparation of plastics, foams, fabrics and metals with even surfaces
- Sealing and dust protection in the electrical and electronic industry
- Mounting gaskets, acoustic components such as loudspeakers and microphones, LCD films and decorative parts for the mobile industry

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 +150 °C**

Peel strength in accordance with DIN EN 1939 after 24 hours storage at room temperature on

EPDM	18 N/25 mm
Polyethylene	15 N/25 mm
Polypropylene	15 N/25 mm
Polyester	19 N/25 mm
ABS	19 N/25 mm
Polycarbonate	19 N/25 mm
PMMA	24 N/25 mm
Rubber	13 N/25 mm
PUR-PET-foam	9 N/25 mm

Dynamic shear strength in accordance with DIN 53283 after 24 hours storage at room temperature and a speed of v = 100 mm/min in bonding:

Polyester-steel-bonding	621 N/375 mm ²
Polyoximethylene-steel-bonding	830 N/375 mm ²
ABS-steel-bonding	791 N/375 mm ²

Certified and recognized according to UL 969 

Ageing resistance

Peel strength in accordance with DIN EN 1939 after 7 days storage in bond at 70 °C on

PMMA	17 N/25 mm
PUR-PET-foam	8 N/25 mm
Polycarbonate	13 N/25 mm

* Specific test results, statistically not approved.

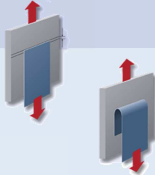
** Reached temperature in a rising heat test according to the internal test method PM-211 following DIN EN 1943 at 0,5 kg strength, beginning at 30 °C, increasing of temperature every 30 minutes by 10 °C.

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Technical Data		
Shear strength	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	60 N/625 mm ²
Peel strength	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	25 N/25 mm



Application

Recommended application temperature	18 °C to 35 °C (up to 5°C possible)
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]	40 - 200	on request
Length [m]	700	
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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