

DuploCOLL® 2742 LSE

Low-emission, APEO-free, environmentally friendly double-sided pressure sensitive adhesive tape with paper carrier and a solvent-free acrylic adhesive

Product construction

	Name	Colour	Thickness [mm]
Liner	Silicone paper	white, printed	approx. 0,08
Adhesive covered side	Dispersion acrylic		
Carrier	Special paper	white	approx. 0,16
Adhesive open side	Dispersion acrylic		
Total thickness:			approx. 0,24

Product advantages

- APEO-free
- Low formaldehyde concentration
- The pressure sensitive adhesive tapes of the LSE range are particularly suitable for critical, low-energy surfaces like polypropylene.
- The adhesive is resistant to water and ageing
- In comparison to pressure sensitive tapes with hotmelt, rubber or modified acrylic adhesives, DuploCOLL® 2742 LSE shows improved resistance to elevated temperatures and excellent bonding property even at low temperatures (above -5 °C).
- Its high adhesion and the high adhesive coating weight make this adhesive tape also suitable for the bonding of rough surfaces. The optimised flow behaviour allows good compensation of tensions.

Main application fields

- Bonding to non-polarised surfaces like polyethylene, polypropylene and EPDM

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 +100 °C**

Adhesive strength in accordance with DIN EN 1939 after 24 hours at room temperature on different substrates:

Steel	39 N/25 mm
High energy surfaces (ABS)	34 N/25 mm
Polypropylene	33 N/25 mm
Polyethylene	11 N/25 mm
EPDM	6 N/25 mm

Adhesive strength in accordance with DIN EN 1939 after 7 days at 40 °C and 98 % relative humidity of air on different substrates:

Steel	34 N/25 mm
High energy surfaces (ABS)	30 N/25 mm
Low energy surfaces (PP)	30 N/25 mm

Initial adhesion (tack) measured in a tack loop test according to AFERA 4001: 16 N/1250 mm²

Formaldehyde emission in accordance with VDA 275 < 2 ppm

Certified and recognized according to UL 969 

* Specific test results, statistically not approved.

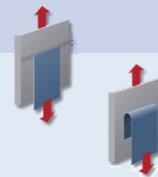
** Reached temperature in a rising heat test

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Technical Data

Shear strength	on stainless steel at +23 °C +/- 2°C	12 N/625 mm ²
Peel strength 180°	on stainless steel at +23 °C +/- 2°C	35 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		
Width [mm]	>6	>9	
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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