

# Duplocoll® 274 LSE

Art. No. 11 511 H 00

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

## Product construction

	Name	Colour	Thickness [mm]
<b>Liner</b>	Silicone paper	white, printed	approx. 0,08
<b>Adhesive closed side</b>	Pure acrylic, solvent-free		
<b>Carrier</b>	Special paper	white	approx. 0,15
<b>Adhesive open side</b>	Pure acrylic, solvent-free		
<b>Total thickness:</b>			<b>approx. 0,23</b>

## Product advantages

- The pressure sensitive adhesive tapes of the LSE range are particularly suitable for critical, low-energy surfaces like polypropylene.
- The adhesive is extensively resistant to hydrolysis and ageing.
- In comparison to pressure sensitive tapes with hotmelt, rubber or modified acrylic adhesives, Duplocoll® 274 LSE shows improved resistance to elevated temperatures and excellent bonding property even at low temperatures.
- 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

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	● ● ○
Fabric	● ● ○
Glass/Ceramics	● ● ○
Wood	● ● ●
High energy plastics: PVC, PC, ABS,...	● ● ●
Low energy plastics: PE, PP,...	● ● ●
Metal	● ● ●
Paper/Cardboard	● ● ●

● ● ● very suitable

● ● ○ suitable

● ○ ○ suitable with reductions

○ ○ ○ not suitable

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## Specific technical data\*

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

<b>Steel</b>	39 N/25 mm
<b>High energy surfaces (ABS)</b>	39 N/25 mm
<b>Low energy surfaces (PP)</b>	39 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:**

<b>Steel</b>	28 N/25 mm
<b>High energy surfaces (ABS)</b>	33 N/25 mm
<b>Low energy surfaces (PP)</b>	32 N/25 mm

\* Specific test results, statistically not approved.

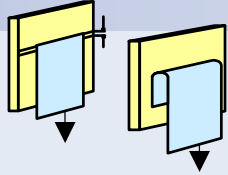
## LSE product range

Name	Art-No.	Adhesive system	Carrier	Liner	Adhesive thickness [mm]
Duplocoll® 174 LSE	13 381 I 00	Synthetic Rubber	Glass fibre scrim	Silicone paper white, printed	approx. 0,23 mm
Duplocoll® 175 LSE	11 701 C 00	Modified Acrylic	Carrierless	Silicone paper white, printed	approx. 0,06 mm
Duplocoll® 269 LSE	13 311 H 00	Synthetic Rubber	Special paper white	Silicone paper white, printed	approx. 0,06 mm
Duplocoll® 272 LSE	11 711 G 02	Modified Acrylic	Special paper white	Silicone paper white, printed	approx. 0,06 mm
Duplocoll® 274 LSE	11 511 H 00	Pure Acrylic	Special paper white	Silicone paper white, printed	approx. 0,06 mm
Duplocoll® 328 LSE	13 C11 G 00	Modified Acrylic	Special paper white	Silicone paper white, printed	approx. 0,06 mm
Duplocoll® 374 LSE	11 741 G 00	Modified Acrylic	PET film white	Silicone paper white, printed	approx. 0,06 mm
Duplocoll® 5003 LSE	14 251 N 01	Synthetic Rubber	PE foam white	Silicone paper white, printed	approx. 0,80 mm

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Technical Data		
<b>Shear strength</b>	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	9 N/625 mm <sup>2</sup>
<b>Peel strength</b>	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	39 N/25 mm
<b>Temperature range</b>	-40 °C to +120 °C	



Application	
<b>Recommended application temperature</b>	18 °C to 35 °C
<b>Application guidelines</b>	<a href="http://www.lohmann-tapes.com">www.lohmann-tapes.com</a>

Storage
Adhesive tapes should be stored at room temperature and normal humidity (50 – 70%). The storage stability is two years after delivery.

Product presentation		
<b>Converted product</b>	Rolls	
<b>Width [mm]</b>	> 6	> 9
<b>Length [m]</b>	50	100
<b>Max. log width: 1000 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. They do not represent any warranties or guarantees and must not be used for technical specification purposes. All application related statements, information and recommendations herein are given to the best of our knowledge and practical experience. The buyer is responsible for determining the suitability of the specific tape for its intended use in connection with user's method of application. Please consult our Technical Applications Department for specific advice. Our general Term and Conditions of Sale apply, particularly with regard to warranty and liability.

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