

DuploCOLL® CPT 500 F

Art. No. 11 01 97

Pressure-sensitive adhesive film made of pure acrylic for lasting, transparent adhesive bonding

Product construction

	Name	Colour	Thickness [mm]
Liner	Polyethylene film	white	approx. 0,11 – 0,13
Adhesive	Pure acrylic		approx. 0,48 – 0,52
Total thickness:			approx. 0,59 – 0,65

Product advantages

- Clear bond due to highly transparent adhesive formulation: the light refraction index of DuploCOLL® CPT 500 F is similar to that of glass.
- High stretchable and at the same time a high inner strength give DuploCOLL® CPT 500 F an excellent resiliency within the bond
- Good initial tack, lasting ultimate bonding strength
- Good sealing, absorbing and insulating properties
- Excellent stress-absorber
- Highly split-resistant
- Resistant to chemicals and softeners
- Suitable for long-term use, resistant to ageing and UV radiation
- Available as perfectly fitting die-cut parts in many shapes, versions and different sizes

Main application fields

- Bonds where maximum transparency is of central importance, for example in shower cubicles made of glass, at solar collectors and for illuminated advertising signs.
- Metal-glass-connections in facade construction and apparatus engineering, as well as in the furniture industry.
- Invisible bonding of different materials such as wood, aluminium, plastics, ceramics and glass.

Specific technical data*

Temperature range	-40 °C to +150 °C** (up to +200 °C at short term)
90° roll peel strength test on glass in accordance with DIN EN 1464 after 24 hours storage at +23 °C +/- 2 °C	40 N/25 mm
Light transmission	> 80 % in the visible light scope

* 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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90 ° roll peel strength test on steel in accordance with DIN EN 1464 after 24 hours storage at +23 °C +/- 2 °C	60 N/25 mm
Dynamic shear strength on steel in accordance with internal test method VAR-153001*** after 24 hours storage at +23 °C +/- 2 °C	115 N/625 mm ²

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 year after delivery.

Product presentation

Converted product	Rolls	Spools
Width [mm]	≥ 6	
Length [m]	65	
Max. log width: 430 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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