

DuploCOLL® CPT 800 F

Art. No. 11 01 99

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 covered side	Pure acrylic		approx. 0,78 – 0,82
Total thickness:			approx. 0,89 – 0,95

Product advantages

- Clear bond due to highly transparent adhesive formulation: the light refraction index of DuploCOLL® CPT is similar to that of glass.
- High stretchable and at the same time a high inner strength give DuploCOLL® CPT an excellent resiliency within the bond
- Good initial tack, lasting ultimate bonding strength
- Good sealing, absorbing and insulating properties
- Excellent stress-absorber
- Particularly versatile, also suitable for uneven surfaces
- 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

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

DuploCOLL® CPT 800 F

Art. No. 11 01 99

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

Specific technical data*

Temperature range	-40 °C to +150 °C** (up to +200 °C at short term)
90° roll peel strength test on steel in accordance with DIN EN 1464 after 10 minutes storage at +23 °C +/- 2 °C	50 N/25 mm
90° roll peel strength test on glass in accordance with DIN EN 1464 after 24 hours storage at +23 °C +/- 2 °C	50 N/25 mm
Light transmission	> 80 % in the visible light scope
Dynamic front side tensile strength according to Opel TM5908-00*** in an aluminium-aluminium-laminate, after 24 hours storage at +23 °C +/- 2 °C, v = 50 mm/min	463 N/625 mm ²

* 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.

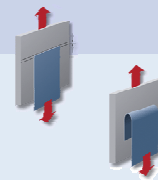
DuploCOLL® CPT 800 F

Art. No. 11 01 99

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

Technical Data

Shear strength	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	80 N/625 mm ²
Peel strength	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	105 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 2 years after delivery.

Product presentation

Converted product	Rolls				
Width [mm]	≥ 6				
Length [m]	43				
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.

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.

Date of issue: June 2011

Lohmann GmbH & Co. KG

Irlicher Strasse 55

56567 Neuwied

Germany

Phone: + 49 (0) 26 31 34 - 0

Fax: + 49 (0) 26 31 34 - 6661

E-mail: info@lohmann-tapes.com

For further Information

www.lohmann-tapes.com

Concerning product safety (confirmation, conformity to guidelines, REACH, etc.) please use the following
E-mail address: products.safety@lohmann-tapes.com

 **Lohmann**
The Bonding Engineers.