

DuploCOLL® 319

Art. No. 11 12 90

Double-sided pressure sensitive adhesive tape coated with a high-performance Rubber adhesive

| Product construction | | | |
|-------------------------|------------------|-------------|----------------|
| | Name | Colour | Thickness [mm] |
| Liner | Silicone paper | yellow | approx. 0,07 |
| Adhesive covered side | Synthetic rubber | | |
| Carrier | PET-film | transparent | approx. 0,12 |
| Adhesive open side | Synthetic rubber | | |
| Total thickness: | | | approx. 0,19 |

Product advantages

- The excellent tack guarantees high initial adhesion. Outstanding adhesion on polymers difficult to bond, like polyethylene, polypropylene and polystyrene
- Good bonding to rubber goods, powder- and standard paints
- The adhesive is water-resistant
- Particularly suitable for smooth and even surfaces

Main application fields

- Mounting of evaporator plates in refrigerators
- Splicing of coated papers, plastic films and metal foils
- Laminating of leather and textiles
- Self-adhesive bonding of rubber goods (mouldings, profiles)
- Bonding to extruded plastic-profiles

| 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 | -10 °C to +70 °C, temporary +85 °C |
| Peel strength to polyethylene after 24 h at room-temperature | 24 N/25 mm |
| Peel strength to polypropylene after 24 h at room-temperature | 39 N/25 mm |

* Specific test results, statistically not approved.

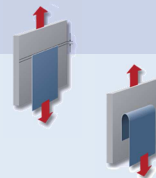
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Technical Data

| | | |
|-----------------------|--|--------------------------|
| Shear strength | on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C | 70 N/625 mm ² |
| Peel strength | on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C | 40 N/25 mm |



Application

Recommended application temperature 18 °C to 40 °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 one year after delivery.

Product presentation

| Converted product | Rolls | | | Spools | | |
|--------------------------------|---|-----|-----|--------|--|--|
| Width [mm] | >6 | >10 | >19 | | | |
| Length [m] | 50 | 100 | 200 | | | |
| Max. log width: 1250 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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