

DuploCOLL® 31300 IS

Single-sided adhesive film for electrical insulation

Product construction			
	Name	Colour	Thickness [mm]
Adhesive	Silicone	transparent	approx. 0,065
Carrier	Polyimide film	amber / bronze	
Total thickness:			approx. 0,065

Product advantages

- Heat resistance
- Chemical resistance
- Isotropic insulating
- Advanced die cutting properties

Main application fields

- Electrical insulation
- Surface protection
- Barrier (temperature)
- Reflow soldering
- PCB masking

Specific technical data*

Electrical Surface Resistance** according to IEC 62631-3-2	> 2 E+13 Ω/sq
Electrical Volume Resistance** according to IEC 62631-3-1	> 1 E+14 Ω*cm
Dielectric Strength AC**	> 5 kV
Rel. Dielectric Strength AC** according to IEC 60243-1	> 140 kV/mm
Dielectric Strength DC**	> 8 kV
Rel. Dielectric Strength DC** according to IEC 60243-2	> 200 kV/mm
Temperature range	-40 °C to +180 °C***

* Specific test results, statistically not approved.

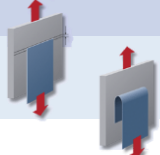
** measured in external laboratories (not accredited to ISO/IEC 17025 and the specified test method)

*** Reached temperature in a rising heat test.

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Technical Data		
Dynamic shear strength	on stainless steel at +23 °C +/- 2 °C	140 N/625 mm ²
Peel strength 180°	on stainless steel at +23 °C +/- 2 °C	7 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]					
Length [m]					
Max. log width: 1000 mm	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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 **Lohmann**
 The Bonding Engineers