

DuploCOLL® 74125 TC

Art. No. 11 30 17

Thermal conductive pressure sensitive tape without carrier

Product construction

	Name	Colour	Thickness [mm]
Liner	PE film	white	approx. 0,080
Adhesive	Acrylic filled	white	approx. 0,125
Liner	PET film	transparent	approx. 0,100
Total thickness:			approx. 0,305

Product advantages

- Good thermal conductivity
- High electrical insulation version
- Easy die cutting and handling
- Simply to apply with pressure sensitive adhesive
- Free of silicones ¹⁾
- Halogen free ²⁾
- Flame retardant ³⁾

Main application fields

- LED
- Power transistor
- Heat sink
- IC package
- PCB heating parts
- Li-Ion battery / Li-Polymer battery

Specific technical data*

Temperature range	-40 °C to +125 °C (short term +180 °C)
Density	1,7 g/cm³
Thermal conductivity λ ⁴⁾	1,0 W/m*K
Thermal resistance R_{th} ⁴⁾	0,19 K/W
Thermal impedance R_{ti} ⁴⁾	130 mm² * K/W
Volume resistance	10 ¹⁴ Ωcm
Electrical strength ⁵⁾	24 kV / mm

* Specific test results, statistically not approved.

¹⁾ Silicones are not part of the adhesive formulation. Only the liner is siliconized. It is removed before application.²⁾ According EN 14582 : 2016: Fluorine, Chlorine, Bromine and Iodine: Each Halogen is under detection limit (< 50ppm).³⁾ According EN ISO 11925-2 and UL 94 V-0⁴⁾ Test method: Stationary Cylinder method acc. ASTM D 5470-12, sample area 707mm², pressure 10 bar.⁵⁾ According IEC 60243-1

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Technical Data

Peel strength Open Side (PE-Film)	on steel 90° dwell time 24h	≥ 7N / 25 mm
Peel strength Closed Side (PET-Film)	on steel 90° dwell time 24h	≥ 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			Spools		
Width [mm]						
Length [m]						
Max. log width: 430 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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The Bonding Engineers