

Material:	DuploCOLL 5110
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Overview:

Lohmann DuploCOLL 5110 is a double-sided adhesive tape featuring a modified acrylic adhesive and a compressible polyethylene foam carrier, designed for versatile bonding applications. With a thickness of 1.0 mm, it provides excellent initial tack and high shear strength, making it suitable for both smooth and slightly rough surfaces. This tape is highly resistant to aging, UV exposure, and various chemicals, ensuring durability in both indoor and outdoor settings.

Description:

DuploCOLL 5110, is a double-sided adhesive mounting tape designed for a variety of applications, particularly in the construction and automotive sectors. Here are the key details:

- **Thickness:** 1.0 mm
- **Carrier Material:** Polyethylene foam (white)
- **Adhesive Type:** Modified acrylic on both sides, offering good adhesion even at low temperatures.
- **Liner:** Yellow polyethylene film
- **Temperature Range:** Effective from -40 °C to +90 °C, with a peak resistance up to +110 °C in specific conditions.
- **Adhesive Properties:** Good initial and final adhesion, high shear strength, and excellent aging resistance. It also shows extensive resistance to various chemicals, including domestic cleaning agents.

Applications:

This tape is ideal for:

- Bonding construction profiles, such as plastering profiles
- Self-adhesive finishing of extruded plastic profiles
- Use in window and door design applications

Additional Features:

- It maintains adhesion even at cold temperatures, with no loss of performance at -10 °C.
- Offers high air and driving rain impermeability, making it suitable for outdoor applications.

Parameters:

Characteristics	Units	Value	Test Method
Series		Foam tape	
Application use		Mounting, Bonding	
Type		Double sided foam tape	
Shape		Roll	

Thickness	mm	1.1	Caliper
Application surfaces		HSE plastic, LSE plastic	
Carrier material		PE foam	
Adhesive type		Modified acrylic	
Color		White	
Backing liner		PE film	
Operation temperatures	°C	-40 - 90	Thermometer
90° Peel Adhesion (on S. Steel at 22°C)	N/cm		ASTM D3330

Warranty:**Technical data**

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