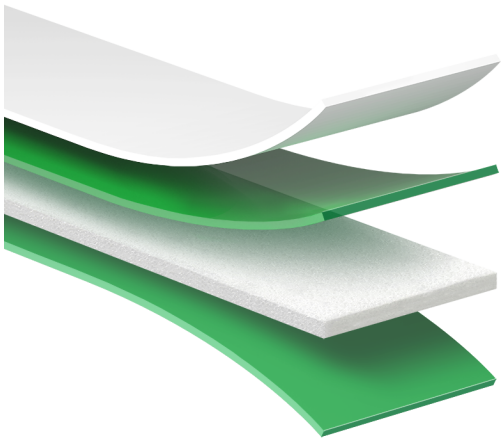
DuploCOLL® 9042

Anthracite 600 µm (24 mil) double-sided PE foam tape with pure acrylic adhesive (solvent-based)

Product features

- High initial adhesion (tack)
- High final bonding strength
- Good aging resistance
- Good resistance to heat
- Good resistance to UV
- Resistant to plasticizers
- Resistant to polar and non-polar solvents
- Noise- and vibration-absorbing

Product construction



Typical application fields

Industrial

- Bonding of furniture glass elements

Home Appliance

- Decorative front cover bonding on coffee machines
- Control panel bonding on exhaust hoods

Electronics

- Bonding of frames on displays

Product construction

Component	Description	Color	Thickness (typical value)	
Liner	Siliconized PE paper	white	158 µm	6.22 mil
Adhesive closed side	Pure acrylic	transparent		
Carrier	PE foam	anthracite	∑ 600 µm	∑ 24 mil
Adhesive open side	Pure acrylic	transparent		

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Performance profile - Standard test data

Data show representative values and are not regularly observed by internal quality control. They are not permitted to be used for specification purposes.

Product property	Substrate	Representative value		According to	Test conditions
Peel adhesion (closed side)	stainless steel	12 N/cm	110 oz/in	DIN EN ISO 29862	Dwell time: 1 day Temperature: 23 °C (73.4 °F) Test angle: 90 ° Tape width: 25 mm Test speed: 300 mm/min
	PC	13 N/cm	119 oz/in		
	ABS	7 N/cm	64 oz/in		
	PP	1 N/cm	9 oz/in		
Peel adhesion (closed side)	stainless steel	10 N/cm	91 oz/in	DIN EN ISO 29862	Dwell time: 1 day Temperature: 23 °C (73.4 °F) Test angle: 180 ° Tape width: 25 mm Test speed: 300 mm/min
	PC	12 N/cm	110 oz/in		
	ABS	10 N/cm	91 oz/in		
	PP	6 N/cm	55 oz/in		

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Performance profile - Extended test data

Product property	Representative value	According to
Dielectric Strength AC	11,8 kV	IEC 60243-2
Rel. Dielectric Strength AC	19,59 kV/mm	IEC 60243-1
Dielectric Strength DC	23.6 kV	IEC 60243-2
Rel. Dielectric Strength DC	39 kV/mm	IEC 60243-2
Electrical Surface Resistance (adhesive side)	>1,04 E+13 Ω/sq	IEC 62631-3-2
Electrical Volume Resistance	>2,094 E+14 Ω*cm	IEC 62631-3-1
ε_r (Dielectric Constant)	0,005	DIN EN 60674-2
Dielectric Loss Factor (tan δ)	1,63	DIN EN 60674-2

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Storage and shelf life

The shelf life of DuploCOLL® 9042 is 2 years after delivery. The duration indicated requires storage in original packaging at 15 °C to 30 °C (59 °F to 86 °F), normal humidity (30-70 % RH) and absence of UV radiation.

Delivery forms

DuploCOLL® 9042 is produced as log roll in a usable width of 1,260 mm (49.61 in). It can be converted in different delivery forms upon request:

Jumbo

Spool

Roll

Diecut

Service temperature

We recommend the use of DuploCOLL® 9042 in a range from -40 °C (-40 °F) to 90 °C (194 °F). The temperature resistance depends on the loads and external influences on the adhesive bond.

Customized production technologies

From adhesive development to automation-ready solutions – Lohmann offers high-tech bonding processes from a single source. Our integrated value chain ensures efficiency, flexibility and reliable quality across every step: coating, laminating, converting, precision die-cutting and more. We support you not only with custom die-cuts, rolls, spools or sheets in various formats, but also with application tools and detailed engineering for seamless process integration – whether manual, semi-automatic or fully automated. Discover our full value chain: https://lohmann-tapes.com/production-technologies

Use instructions

For general information about the handling of pressure sensitive adhesive tapes, please go to https://lohmann-tapes.com/general-usage-instruction

Responsible solutions in every bond

For more information on our path to a sustainable vision, please go to: https://lohmann-tapes.com/sustainability

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Disclaimer

The physical characteristics contained in this data sheet represent typical or average values. They explicitly do not constitute product specifications. 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. We refer to DIN EN ISO 21368:2024-10. Please consult our Technical Applications Department for specific advice.

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