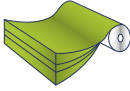
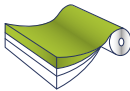


Metallic Polypropylene Overall Properties

	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	119	ISO 536
	Total Caliper	µm	113	ISO 534
	Minimum Application	°C	0	
	Service Temperature	°C	-30 to 80	

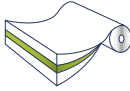
Labels made of Metallic silver polypropylene are particularly suitable for labelling luxury products, cosmetics, for advertising and promotion, engine oils, cleaning agents etc., as well as for applications demanding resistance to chemicals or weather.

Face

	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	44	ISO 536
	Caliper	µm	48	ISO 534
	Tensile strength (MD)	N/mm ²	100	ISO 527
	Tensile strength (CD)	N/mm ²	210	ISO 527

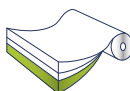
Metallic silver polypropylene is perfect for the production of optically demanding and decorative labels.

Adhesive

	Property	Level
	Tack	High
	Peel Adhesion	High
	Shear	Extremely High

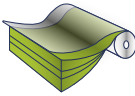
The adhesive is specially developed for filmic face material. Through the use of 2-layer technology and ideally optimised layers, the conversion properties become excellent and the adhesion properties are above average.

Release Liner

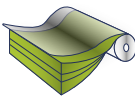
	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	58	ISO 536
	Caliper	µm	49	ISO 534
	Tensile strength (MD)	N/15 mm	76	DIN 53112
	Tensile strength (CD)	N/15 mm	38	DIN 53112
	Transparency	%	49	DIN 53147

The glassine liner offers reliable performance in high-speed labelling machinery, providing efficient label application without interruptions.

Metallic Polypropylene with Gloss Lamination

	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	129	ISO 536
	Total Caliper	µm	137	ISO 534
	Minimum Application	°C	0	
	Service Temperature	°C	-30 to 80	

Metallic Polypropylene with Matt Lamination

	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	142	ISO 536
	Total Caliper	µm	151	ISO 534
	Minimum Application	°C	0	
	Service Temperature	°C	-30 to 80	

Additional Material information

White Underpin	Yes
Permanent adhesive	Yes
Waterproof	Yes
Tearproof	Yes
Oil resistant	Yes, With Lamination
Chemical resistant	Yes, With Lamination
Freezer safe	Yes
Vegan status	Friendly

Compliance Information

Commission Regulation	(EC) 1935/2004, (EU) 10/2011, and (EC) 2023/2006.
FDA Standards	21 CFR 175.105.
BSI	EN ISO 3826-1
BFR	BfR XIV
REACH	Yes, Compliant
RoHS	Yes, Compliant

Storage and Shelf Life

Storing at a temperature of 20 ± 5 °C, a relative humidity of 45 ± 5 % and a dark storage is recommended. Moisture, heat and direct sunlight have to be avoided. The shelf life is two years from date of production.

Regulations concerning contact with food

Metallic Polypropylene is in compliance with Commission Regulations (EC) no. 1935/2004 and (EU) no. 10/2011 as amended on plastics and articles intended to come into contact with food as well as of Regulation (EC) no. 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food.

However, the topcoat of this film does **not** comply with the requirements of Regulations (EC) no.1935/2004 and (EU) no. 10/2011. Please note that any contact between topcoat and food must be avoided.

All adhesive ingredients comply with recommendations BfR XIV or FDA 21 CFR 175.105 (Adhesives).

The pressure-sensitive adhesive can be safely used for the back coating of labels for labelling of foodstuffs for storage at room temperature or below. It may be used in direct contact with dry, moist and fatty foodstuffs that can be assigned a correction factor of at least 3 in accordance with Regulation (EU) No. 10/2011.

With regard to the results of the formulation evaluation and the migration analyses it can be derived that the adhesive grade does not have a harmful effect on the content of blood bags and that the requirements of the standard mentioned above are met in this case (EN ISO 3826-1 "Plastics Collapsible Containers for Human Blood and Blood Components, Part 1: Conventional containers, Paragraph 8.5 label requirements"). Declaration of no objection valid until 28.08.2026

The paper liner complies with recommendation BfR XXXVI.