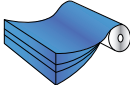


White Polypropylene - Data Sheet

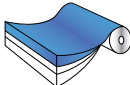
Page 1 of 2

White Polypropylene Overall Properties

	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	116	ISO 536
	Total Caliper	µm	123	ISO 534
	Minimum Application	°C	0	
	Service Temperature	°C	-30 to 80	

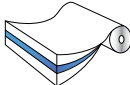
White PP is ideal for creating visually sophisticated, glossy, opaque labels. The pearlescent appearance of the film enhances the elegance of the labels.

Face

	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	41	ISO 536
	Caliper	µm	58	ISO 534
	Tensile strength (MD)	N/mm ²	70	ISO 527
	Tensile strength (CD)	N/mm ²	150	ISO 527
	Surface gloss 45°	GU	60	ISO 2813
	Opacity	%	85	ISO 2471

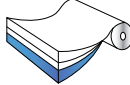
Thanks to its specialised surface treatment, the glossy finish of White PP ensures excellent print quality using conventional printing methods.

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.

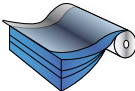
Release Liner

	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

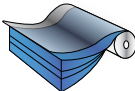
The glassine liner offers reliable performance in high-speed labelling machinery, providing efficient label application without interruptions.

All statements, technical information and recommendations are given in good faith and are based on tests that we believe to be reliable, but do not constitute a guarantee or warranty. We give no guarantee as to the suitability of the product for a specific application, this should be tested by the user. Unless otherwise agreed in writing, we only accept liability within the scope of our General Terms and Conditions

White Polypropylene with Gloss Lamination

	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	139	ISO 536
	Total Caliper	µm	147	ISO 534
	Minimum Application	°C	0	
	Service Temperature	°C	-30 to 80	

White Polypropylene with Matt Lamination

	Property	Units	Value (approx)	Standard
	Grammage	g/m ²	116	ISO 536
	Total Caliper	µm	161	ISO 534
	Minimum Application	°C	0	
	Service Temperature	°C	-30 to 80	

Additional Material information

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

*only recyclable if applied to a PP product

Compliance Information

Commission Regulation	(EU) No. 10/2011
FDA Standards	21 CFR 175.300, 21 CFR 175.320 and 21 CFR 177.1520
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

White PP is in compliance with Commission Regulation (EG) no. 1935/2004 and (EU) no. 10/2011 on plastic materials and articles intended to come into contact with food (with all amendments: Commission Regulation (EU) no. 321/2011, no. 1282/2011, no. 1183/2012, no. 202/2014, no. 174/2015, no. 1416/2016, 752/2017, no. 79/2018, no. 213/2018, no. 831/2018, no. 37/2019, no. 988/2019, no. 1338/2019 and no. 1245/2020) as well as US FDA 21 CFR 175.300, US FDA 21 CFR 175.320 and US FDA 21 CFR 177.1520.

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.