



Ref. RH9 — PP White FTC 60 / RH9X / HD-FSC

Glossy white cavitated BOPP, top-coated / RH9X permanent hot-melt adhesive / FSC-certified white glassine liner

DESCRIPTION

Self-adhesive label made of biaxially oriented, cavitated, glossy white and top-coated polypropylene film, with RH9X permanent hot-melt adhesive and a white glassine paper liner carrying FSC Mix Credit certification. Designed for food applications requiring moisture resistance in chilled environments or high initial adhesion.

QUICK SUMMARY

Facestock: Glossy white cavitated BOPP, 46 g/m²

Adhesive: RH9X permanent hot melt

Liner: White glassine HD-FSC, 57 g/m²

Printing: Flexo, screen, offset, UV inkjet and Xeikon

Key points

- Service temperature: -40 to 60 °C
- Minimum labelling temperature: 0 °C
- Tack of 17 N/25 mm: high initial adhesion
- Performs in chilled and damp environments
- Shelf life: 24 months

KEY ADVANTAGES

- Glossy white cavitated BOPP facestock, top-coated, with 88 % opacity.
- RH9X permanent hot-melt adhesive with high initial adhesion (tack of 17 N/25 mm) and optimum performance in chilled and damp environments.
- Minimum labelling temperature of 0 °C and service temperature from -40 to 60 °C.
- HD-FSC white glassine liner with FSC Mix Credit certification (SGSCH-COC-004879).
- RecyClass: compatibility with the recycling of HDPE and PP packaging.
- Food compliance available through a Declaration of Conformance on request.

RECOMMENDED APPLICATIONS

- Labelling of food products requiring moisture resistance in chilled environments.
- Applications needing high initial adhesion on plastic or glass packaging.
- Beverages, dairy, frozen goods and any product in a cold chain down to -40 °C.
- High-speed automatic labelling with photocell dispensing.

PRINTABILITY

Suitable for flexo, screen, offset, UV inkjet and Xeikon printing methods. Thermal transfer is possible with selected mixed and resin ribbons. Check the compatibility of the ribbon with the top-coated face before series production.



MATERIAL STRUCTURE

LAYER	CODE	DESCRIPTION
Facestock	PP White FTC 60	Glossy white cavitated BOPP, top-coated. 46 g/m ² and 61 µm. Opacity of 88 %.
Adhesive	RH9X	Permanent hot melt. Tack of 17 N/25 mm. High initial adhesion. Suitable for chilled and damp environments.
Liner	HD-FSC	White glassine. 57 g/m ² and 50 µm. Transparency of 50 %. FSC Mix Credit certification.

PHYSICAL PROPERTIES

PROPERTY	STANDARD	UNITS	VALUE	TOLERANCE
Facestock substance	ISO 536	g/m ²	46	—
Facestock thickness	ISO 534	µm	61	—
Facestock opacity	DIN 53146/1	%	88	—
RH9X adhesive tack	FTM 9	N/25 mm	17	—
Liner substance	ISO 536	g/m ²	57	—
Liner thickness	ISO 534	µm	50	—
Liner transparency	DIN 53147	%	50	—
Liner tensile strength MD	ISO 1924	kN/m	6	—
Liner tensile strength CD	ISO 1924	kN/m	2.3	—
Total thickness	—	µm	127	±10 %

TEMPERATURES AND STORAGE

PROPERTY	STANDARD	UNITS	VALUE
Minimum labelling temperature	—	°C	0
Service temperature	—	°C	−40 to 60
Storage temperature	FINAT	°C	20–25
Storage relative humidity	FINAT	%	40–50
Shelf life from manufacture	—	months	24

CERTIFICATIONS AND COMPLIANCE

- FSC Mix Credit: the HD-FSC liner is certified under UPM Raflatac's FSC certificate (SGSCH-COC-004879).
- RecyClass: approval in the Recyclability Evaluation Protocol for HDPE and PP packaging. The unprinted PP label with hot-melt adhesive is considered to have limited compatibility with the recycling of coloured HDPE and PP.
- Food compliance: a Declaration of Conformance is available on request through the local UPM Raflatac representative.



STORAGE AND SHELF LIFE

Twenty-four months from the date of manufacture, keeping the product at 20–25 °C and 40–50 % relative humidity, which are the storage conditions defined by FINAT. Prolonged storage at higher temperatures or humidity levels shortens the shelf life.

USAGE RECOMMENDATIONS

- Apply from 0 °C upwards: below that temperature the adhesive may not develop its optimum performance.
- Apply to clean, dry surfaces free of contamination, to maximise initial adhesion.
- In high-humidity environments, make sure the packaging surface is free of condensation before labelling.
- Check the compatibility of the thermal transfer ribbon, mixed or resin, with the top coating of the face before series production.
- Keep the reels in their original packaging until use, avoiding heat, excessive humidity and direct light.

IMPORTANT NOTES

- Sales code: EYP/RH9X/GHC. EAN: 6415788282212. Manufacturer: UPM Raflatac.
- RecyClass compatibility refers to the unprinted label; the evaluation took into account that the printed self-adhesive label is not separable.
- The values given are the manufacturer's typical values and are subject to change without notice.

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