

UPM Adhesive Materials Technical Information

05-11-2025 EN SI EMEA

Product	TH TOP FOOD NXT+TPF-FSC / RP48 / HONEY GLASSINE 65-FSC
Sales Code	JSG/RP48/FUX
EAN	6415788486597
Product use	Product designed for topcoated direct thermal labels, especially for pre-packed food applications. It offers good convertibility, direct thermal printability, and reliable low-temperature adhesion. Ideal for food products in chilled and deep-freeze conditions. RAF NXT+ products also help mitigate climate change compared to our standard label materials.

Typical technical values

Face	THERMAL TOP FOOD NXT+TPFREE-FSC
Product	A top coated thermal paper with standard sensitivity produced totally without phenol-based chemistry. The engineered base paper provides functional barrier properties on the reverse side. This face paper is made from FSC™-certified (mix credit) pulp.
Substance	69 g/m ² ISO 536
Caliper	72 µm ISO 534
Roughness	1,7 µm ISO 8791 PPS 10
Imaging colour	Black
Scanning	Visible red light (wavelength up to 650 nm).
DT printing speed	Direct thermal printing speed up to 200 mm/s.
Printability	Suitable for direct thermal, UV- and water-based flexography, UV-letterpress and UV-offset.
Sustainability	The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879.
Adhesive	RP48
Type	Freezer permanent adhesive.
Composition	Acrylic, water borne.
Tack	12 N/25mm FTM 9
Backing	HONEY GLASSINE 65-FSC
Product	Yellow transparent glassine backing paper.
Substance	54 g/m ² ISO 536
Caliper	47 µm ISO 534
Tensile strength MD	5,4 kN/m ISO 1924

Tensile strength CD	2,2	kN/m	ISO 1924
Transparency	49	%	DIN 53147
Sustainability	The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879.		

Performance

Total caliper	134 µm ± 10%
Minimum labelling temperature	-20 °C
Service temperature	-40 °C to +60 °C
Shelf life	From date of manufacture: 24 months, under FINAT defined storage conditions (+20-25°C and 40-50% RH). Prolonged storage at higher temperatures and/or humidity levels will shorten the shelf life.

Approvals

Approvals For further compliance information related to food labeling applications, please contact your local sales representative for a Declaration of Conformance (DoC) document.

Disclaimer The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use. Users of our products are solely responsible that the product is suitable for its intended application, and have determined such at their sole discretion. Users must comply with any applicable legislation and/or testing requirements for the finished article, and are responsible for bringing their products to market.

This publication does not constitute any warranty, express or implied, and is intended only for the recipient and cannot therefore be transferred to any third party. We cannot assume any liability for the use of our products in conjunction with other materials.

All our products are sold subject to UPM Raflatac's general sales conditions, and you should ensure that any existing laws are observed.

This publication replaces all previous versions. All information is subject to change without notice.

