

UPM Raflatac Technical Information

31-07-2024 EN SI

Product	THERMAL TOP FOOD NXT+TPFREE-FSC / RH9F / HONEY GLASSINE 65-FSC
Sales Code	JSG/RH9F/FUX
EAN	6415788470848
Product use	Product designed for pre-packed food labelling with good direct thermal printability and very good adhesion in ambient and cold environment even if the application surface is moist or very high initial adhesion is required. Our science based, externally verified approach quantifies GHG emission reductions and forests' increased capacity to remove carbon. Additionally, the product design reduces reel changes and increases label quantity per roll for improved productivity. RAFNXT+ products help mitigate climate change compared to our standard label materials.

Typical technical values

Face	THERMAL TOP FOOD NXT+TPFREE-FSC
Product	A top coated paper with a standard sensitivity thermal coating produced totally without phenol-based chemistry
Substance	70 g/m ² ISO 536
Caliper	70 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	RH9F
Type	Permanent.
Composition	Rubber, hotmelt.
Tack	15 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	132 µm ± 10%
Minimum labelling temperature	-5 °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.

Information

Product Information	Designed for wide range of direct thermal printed applications including industrially pre-packed foodstuffs where good resistance to water and vegetable oils is required. Should be used when very good adhesion at low temperature is required. Very good adhesion to non-polar surfaces. Preprinting and varnish layers decrease print head heat energy conductivity into thermal layer, consequently it is recommended not to pre-print/varnish label area which is meant for direct thermal printing.
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Approvals

Approvals	For further compliance information related to food labeling applications, please contact your local sales representative for a Declaration of Conformance (DoC) document.
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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.
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This publication replaces all previous versions. All information is subject to change without notice.

