

UPM Raflatac Technical Information

23.08.2018 ENG 4083

Product	THERMAL TOP P 200-FSC / RH9X / HONEY GLASSINE 65		
Sales Code	FLG/RH9X/03		
EAN	6415788244371		
Product use	Product designed for topcoated direct thermal labels especially in pre-packed food applications with good convertability, direct thermal printability and initial tack.		
Face	THERMAL TOP P 200-FSC		
Product	A top and reverse side barrier coated thermal paper with a standard sensitivity produced totally without BPA-based chemistry. This face paper is made from FSC™-certified (mix credit) pulp.		
Substance	75	g/m ²	ISO 536
Caliper	74	µm	ISO 534
Tensile strength MD	4.70	kN/m	ISO 1924/2
Tensile strength CD	2.30	kN/m	ISO 1924/2
Brightness	93	%	ISO 2470/3
Imaging colour	Black		
Scanning	Visible red light (wavelength up to 650 nm).		
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.		
Additional info	Direct thermal printability speed up to 200 mm/s (plain label).		
Adhesive	RH9X		
Type	General purpose permanent adhesive.		
Composition	Rubber, hotmelt.		
PE-looptack min	10	N	modified FTM 9
Backing	HONEY GLASSINE 65		
Product	Yellow transparent glassine backing paper.		
Substance	57	g/m ²	ISO 536
Caliper	51	µm	ISO 534
Tensile strength MD	6.2	kN/m	ISO 1924
Tensile strength CD	2.3	kN/m	ISO 1924
Transparency	49	%	DIN 53147
Performance			
Total caliper	139 µm		
Minimum labelling temperature	0 °C		
Service temperature	-40 °C to 60 °C		



Shelf life From the date of manufacture: 2 years at +20 °C and RH 50%. Prolonged storage at higher temperatures and/or humidity levels will shorten the shelf life. Store at constant temperature (20°C, RH 50%) in the dark. Exposure to strong sunlight or strong artificial light should be avoided. Also avoid the influence of aggressive chemicals. The face paper has a slight tendency to discolour, but this does not affect the scannability of the bar codes.

Information

Product information Designed for wide range of industrial applications including pre-packed foodstuffs labelling where premium resistance to oil and water is required. Should be used when very good adhesion at low temperature is required. Very good adhesion to non-polar surfaces and pre-testing is required for adhesive surface printing. Pre-printing 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.

Approvals

Approvals & Certifications For food packaging applications, please contact your local sales representative for the individual Declaration of Conformance (DoC) document of each product component for further compliance information.

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.

