

UPM Raflatac Technical Information

31.01.2017 ENG 2675

Product	THERMAL TOP P 180 / RH9X / HONEY GLASSINE 65		
Sales Code	CAL/RH9X/03		
EAN	6415788163566		
Product use	Thermal top label especially to industrially packed food with chill labelling conditions and need for good tack.		
Face	THERMAL TOP P 180		
Product	A top and reverse side barrier coated paper with a standard sensitivity thermal coating produced totally without BPA-based chemistry.		
Substance	73	g/m ²	ISO 536
Caliper	72	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).		
Optical density	Direct thermal print 1.20 (min)		
Printability	Suitable for direct thermal, UV- and water-based flexography, UV-letterpress and UV-offset.		
Adhesive	RH9X		
Type	Permanent adhesive.		
Composition	Rubber, hotmelt.		
Tack min	12	N	FTM 9
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	137 µm		
Minimum labelling temperature	0 °C		
Service temperature	-40 °C to 60 °C		



Shelf life	One year from the date of manufacture in +20°C and RH 50%. Prolonged storage at higher temperatures and/or humidity levels will shorten the shelf life. Printed labels are guaranteed for one year if stored in the above mentioned conditions. Face paper has a slight tendency to discolour, but this does not affect the scannability of the barcodes.
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Information

Product information	For wide range of industrial applications including pre-packed foodstuffs labelling where premium resistance to oil and water is required. Recommended for use in ambient and chill environment, particularly good performance in chill environment if the application surface is moist or very high initial adhesion is required. Good low temperature performance once labelled. Very good adhesion to non-polar surfaces. Not suitable for labelling of plasticised PVC. Pre-testing required for adhesive surface printing. Direct thermal printability speed up to 180 mm/s (plain label).
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Approvals

Approvals & Certifications	Please see the individual Declaration of Conformance (DoC) document of each product component for further compliance information.
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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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