

UPM Raflatac Technical Information

21.05.2015 ENG 1537

Product	THERMAL ECO 300 / RP 51 / HONEY GLASSINE 65		
Sales Code	X7/RP5X03		
EAN	6415780111626		
Product use	Non top coated Thermal Eco product enabling high speed converting. Designed for applications where high direct thermal print resolution and good adhesion to most common substrates is needed.		
Face	THERMAL ECO 300		
Product	Non top coated, chemi-thermal paper with high print resolution properties. Limited resistance to thermal image scratching or smudging.		
Substance	71	g/m ²	ISO 536
Caliper	79	µm	ISO 534
Tensile strength MD	3.90	kN/m	ISO 1924/2
Tensile strength CD	1.90	kN/m	ISO 1924/2 min
Brightness	92	%	ISO 2470/3 norm
Smoothness	450	Bekk sec	ISO 5627
Opacity	90	%	ISO 2471
Imaging colour	Black		
Scanning	Visible red light		
Optical density	Direct thermal print 1.27 (min)		
Printability	Flexography water based, UV-letterpress, no UV varnishing. Thermal direct.		
Additional info	Brightness: min 78 % (ISO 2470). For all printers up to 300mm/sec.		
Adhesive	RP 51		
Type	General purpose, strong permanent adhesive.		
Composition	Acrylic, water borne.		
Tack min	14	N	FTM 9
Shear min	1	h	FTM 8
PE-looptack min	10	N	modified FTM 9
Backing	HONEY GLASSINE 65		
Product	Yellow transparent glassine backing paper.		
Substance	60	g/m ²	ISO 536
Caliper	53	µm	ISO 534
Tensile strength MD	6.3	kN/m	ISO 1924
Tensile strength CD	2.4	kN/m	ISO 1924
Transparency	49	%	DIN 53147
Performance			
Total caliper	147 µm		
Minimum labelling temperature	0 °C		


UPM

Service temperature	-20 °C to 80 °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. Printed labels are guaranteed for one year if stored in the above conditions. Face paper has a slight tendency to discolour, but this does not affect the scannability of the barcodes.

Information

Product information	Information labelling in dry environments such as price marking and other short life retail and logistics end-uses. Avoid contact with plasticisers (PVC), moisture, oil and fats. Good adhesion to all normal substrates, including non-polar surfaces, films, and corrugated board. Good low temperature performance. Not recommended for labelling highly curved surfaces.
---------------------	---

Approvals

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

Disclaimer	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.



UPM