

# UPM Raflatac Technical Information

06.02.2017 ENG 3515

<b>Product</b>	<b>THERMAL ECO 300 PEFC / RP51 / HONEY GLASSINE 65</b>		
Sales Code	EMZ/RP5X/03		
EAN	6415788216828		
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.		
<b>Face</b>	<b>THERMAL ECO 300 PEFC</b>		
Product	A non-top coated paper with a high sensitivity thermal coating. This paper is made from PEFC™-certified pulp.		
Substance	71	g/m <sup>2</sup>	ISO 536
Caliper	79	µm	ISO 534
Tensile strength MD	3.9	kN/m	ISO 1924-3
Tensile strength CD	1.9	kN/m	ISO 1924-3
Brightness	92	%	ISO 2470
Roughness	1.9	µm	ISO 8791-4 max
Imaging colour	Black		
Scanning	Visible red light (wavelength up to 650 nm)		
Optical density	Direct thermal print 1,27 (min.)		
Printability	Suitable for direct thermal and water based flexography.		
Sustainability	Products named as PEFC are registered to CH11/1264.00 100 % PEFC certified.		
Regulatory info	Face material contains the substance 4,4'-isopropylidenediphenol (bisphenol A) CAS no: 80-05-7, which is included on the candidate list of substances of very high concern (SVHC) for authorization, according to article 59 (1,10) of the REACH registration regulation (EC) No 1907/2006 in a concentration above 0.1% (w/w).		
<b>Adhesive</b>	<b>RP51</b>		
Type	General purpose, strong permanent adhesive.		
Composition	Acrylic, water borne.		
Tack min	14	N	FTM 9
PE-looptack min	10	N	modified FTM 9
<b>Backing</b>	<b>HONEY GLASSINE 65</b>		
Product	Yellow transparent glassine backing paper.		
Substance	57	g/m <sup>2</sup>	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
<b>Performance</b>			



Total caliper	147 µm
Minimum labelling temperature	0.0 °C
Service temperature	-20.0 °C to 80.0 °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.
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### Approvals

Approvals & Certifications	This product complies with the EC food contact regulation EC 1935/2004 and the adhesive with EU 10/2011. Please see individual DoC's for further information.
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Disclaimer	<p>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.</p>
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