

**UPM Raflatac Technical Information**

08-05-2019 EN SI

<b>Product</b>	<b>THERMAL ECO BPA FREE-FSC / RP51 / HONEY GLASSINE 65</b>
Sales Code	BZE/RP5X/03
EAN	6415788105894
Product use	Product designed for general purpose non topcoated direct thermal labels for retail and transport & logistics applications with good convertability, direct thermal printability and ambient temperature performance.

**Typical technical values**

<b>Face</b>	<b>THERMAL ECO BPA FREE-FSC</b>			
Product	A non-top coated paper with a high sensitivity thermal coating produced totally without BPA-based chemistry. This face paper is made from FSC™-certified (mix credit) pulp. Limited resistance to thermal image scratching or smudging.			
Substance	71	g/m <sup>2</sup>	ISO 536	
Caliper	79	µm	ISO 534	
Tensile strength MD	3.90	kN/m	ISO 1924/2	min
Tensile strength CD	1.90	kN/m	ISO 1924/2	min
Brightness	92	%	ISO 2470/3	
Roughness	1.9	µm	ISO 8791	PPS 10/ max
Imaging colour	Black			
Scanning	Visible red light (wavelength up to 650 nm).			
DT printing speed	Direct thermal printing speed up to 300 mm/s.			
Optical density	Direct thermal print 1.27 (min)			
Printability	Suitable for direct thermal and water based flexography.			
Sustainability	The product is sold as FSC™ Mix Credit under UPM Raflatac's FSC certificate SGSCH-COC-004879.			
<b>Adhesive</b>	<b>RP51</b>			
Type	General purpose permanent adhesive.			
Composition	Acrylic, water borne.			
Tack	18	N/25mm 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	



## Performance

Total caliper	145 µm
Minimum labelling temperature	0 °C
Service temperature	-20 °C to 80 °C
Shelf life	From date of manufacture: 24 months, under FINAT defined storage conditions (+20-25 °C and RH 40-50%). Prolonged storage at higher temperatures and/or humidity levels will shorten the shelf life.

## Information

Product Information	General purpose product for retail and transport & logistics applications. Good adhesion to all normal substrates, including non-polar surfaces, films and corrugated boards. Good low temperature performance. Not suitable for labelling plasticized PVC and the product has limited resistance in wet conditions. Not recommended for labelling highly curved surfaces.
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## Approvals

Approvals and 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.
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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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