

UPM Raflatac Technical Information

07-05-2019 EN SI

Product	THERMAL ECO 200-FSC / RP51 / HONEY GLASSINE 65
Sales Code	DZB/RP5X/03
EAN	6415788190708
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

Face	THERMAL ECO 200-FSC			
Product	A non-top coated paper with a standard dynamic sensitivity thermal coating. This face paper is made from FSC™-certified (mix credit) pulp.			
Substance	70	g/m ²	ISO 536	
Caliper	77	µm	ISO 534	
Tensile strength MD	4.00	kN/m	ISO 1924/2	min
Tensile strength CD	2.30	kN/m	ISO 1924/2	min
Brightness	86	%	ISO 2470	min
Roughness	2.0	µm	ISO 8791-4	PPS 10
Opacity	90	%	ISO 2471	min
Imaging colour	Black			
Scanning	Visible red light (wavelength up to 650 nm).			
DT printing speed	Direct thermal printing speed up to 200 mm/s.			
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.			
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).			
Adhesive	RP51			
Type	General purpose permanent adhesive.			
Composition	Acrylic, water borne.			
Tack	18	N/25mm 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 143 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 Good adhesion to all normal substrates, including non-polar surfaces, films, and corrugated board. 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.

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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