

UPM Raflatac Technical Information

24-06-2025 EN SI EMEIA

Product	THERMAL ECO BPAFREE-FSC / RH9X / HONEY GLASSINE 65-FSC
Sales Code	BZE/RH9X/FUX
EAN	6415788460221
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 initial tack.

Typical technical values

Face	THERMAL ECO BPA FREE-FSC			
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	67	g/m ²	ISO 536	
Caliper	75	µm	ISO 534	
Tensile strength MD	3,4	kN/m	ISO 1924/2	min
Tensile strength CD	2,3	kN/m	ISO 1924/2	min
Brightness	92	%	ISO 2470/3	norm
Roughness	1,9	µm	ISO 8791	PPS 10
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.			
Regulatory info	Face material contains the substance 4,4'-sulphonyldiphenol (Bisphenol S) CAS no: 80-09-1 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	RH9X			
Type	Permanent			
Composition	Hotmelt			
Tack	17	N/25mm	FTM 9	
Backing	HONEY GLASSINE 65-FSC			
Product	Yellow transparent glassine backing paper.			

Substance	54	g/m ²	ISO 536
Caliper	47	µm	ISO 534
Tensile strength MD	5,4	kN/m	ISO 1924
Tensile strength CD	2,2	kN/m	ISO 1924
Transparency	49	%	DIN 53147
Sustainability	The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879.		

Performance

Total caliper	143 µm ± 10%
Minimum labelling temperature	0 °C
Service temperature	-40 °C to 60 °C
Shelf life	From date of manufacture: 12 months, under FINAT defined storage conditions (+20-25°C and 40-50% RH). 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. Adhesive provides good adhesion to non-polar surfaces. Not suitable for labelling plasticized PVC and the product has limited resistance in wet conditions. Not recommended for adhesive surface printing without testing beforehand.
---------------------	--

Approvals

Approvals	For further compliance information related to food labeling applications, please contact your local sales representative for a Declaration of Conformance (DoC) document.
Certifications	This product is part of a full range of the UPM Raflatac paper label product solutions providing the added benefit of recycling compatible, verified labeling solutions. Assessed as RECYCLABLE in the paper and board-based packaging stream by the fiber-based research and development institute, Papiertechnische Stiftung (PTS). Category II for the recyclability of paper and board-based packaging with the criteria of the PTS method PTS-RH 021:2012.
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.

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.

