

## Mastertac Technical Information

02-12-2025 EN SI EMEIA

<b>Product</b>	<b>CLASSIC LASER M HS-FSC / PERM DIGITAL / KRAFT 90 / SCORE PRINTED</b>
Sales Code	GDB/94-P/39/W3
Product use	Product designed for labels that accentuate aesthetics and a sophisticated style. Suitable for stylish wine and beverage labeling and general promotional use. Personalized and/or short/medium runs for promotional and product labeling.

### Typical technical values

<b>Face</b>	<b>CLASSIC LASER M HS-FSC</b>		
Product	A white, wood-free, narrow ribbed, machine finished, wet -strength paper with alkali resistant treatment.		
Substance	90	g/m <sup>2</sup>	ISO 536
Caliper	130	µm	ISO 534
Tensile strength MD	2,9	kN/m	ISO 1924/1
Roughness	850	mL/min	ISO 2494/1
Opacity	90	%	ISO 2471
Stiffness MD	0,53	mNm	ISO/DP 2493
Stiffness CD	0,35	mNm	ISO/DP 2493
Printability	Suitable for laser (dry toner), flexography, offset, letterpress and screen printing methods.		
Sustainability	The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879.		
Additional info sheets	Print coverage can affect wash-off times, especially when UV varnish is used. The high stiffness of this product may result in premature dispensing, especially if the label feed is constricted or if the bars inside the machine have small diameters. Reels should be wound with the face-side out. This paper is unsuitable for labelling bottlenecks or other small-diameter products. Testing is recommended with printed labels for the intended application.		

<b>Adhesive</b>	<b>PERM.DIGITAL</b>		
Type	Permanent		
Composition	Waterborne acrylic		
Tack min	10	N	FTM 9
Shear min	2	h	FTM 8

<b>Backing</b>	<b>KRAFT 90</b>		
Product	White woodfree kraft backing paper.		
Substance	86	g/m <sup>2</sup>	ISO 536

Caliper	87	µm	ISO 534
Tensile strength MD	6,5	kN/m	ISO 1924
Tensile strength CD	3	kN/m	ISO 1924

### Performance

Total caliper	229 µm ± 10%
Minimum labelling temperature	5 °C
Service temperature	-10 °C +100 °C
Shelf life	From date of manufacture: 48 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.
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.