Mastertac Technical Information

Product	**NATURLASER M HS-FSC / PERM DIGITAL / KRAFT 90 / SCORE UNPRINTED**
Sales Code	FMD/94-P/39/W2
Product use	Recycled product designed for multipurpose labeling in logistics and retail end-uses requiring variable information printability such as direct mailing, business forms, shipping labels, on laser applications with excellent lay-flat properties.

Typical technical values

Face	**NATURLASER M-FSC**			
Product	White uncoated paper made from 100% recycled fibres.			
Substance	80	g/m²	ISO 536	
Caliper	105	µm	ISO 534	
Tensile strength MD	3,9	kN/m	ISO 1924/2	min
Tensile strength CD	1,8	kN/m	ISO 1924/2	min
Smoothness	25	Bekk sec	ISO 5627	min
Opacity	87	%	ISO 2471	
CIE Whiteness	140	%	ISO 11475	
Printability	Flexography, letterpress and offset. It is also inkjet and laser-copier printable.			
Sustainability	The product is sold as FSC™ Recycled Credit under UPM Raflatac's FSC certificate SGSCH-COC-004879.			

Adhesive	**PERM.DIGITAL**		
Type	Permanent		
Composition	Waterborne acrylic		
Tack min	10	N	FTM 9
Shear min	2	h	FTM 8

Backing	**KRAFT 90**		
Product	White woodfree kraft backing paper.		
Substance	86	g/m²	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	204 µm ± 10%

Mastertac®

by UPM Raflatac

Minimum labelling temperature	5°C
Service temperature	-10 to 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.

Information

| Product Information | Scoring is crucial to ensuring self-adhesive labels are easily peeled away from their backing. Our sheets have folding scores that are spaced at 35 mm intervals, what enables a smooth label opening. Scores open after bending 90–120° Scores don't open if they have not been folded previously. |
| Product availability | Standard range. (Other sizes and/or components available upon request). |

STANDARD SHEET SIZE (CM)	32 x 45
PACKAGING TYPE	Box 100 sh

Approvals

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Toy labeling: This product complies with the European Standard EN71-3:2013 "Safety of Toys" - Migration of certain elements.

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.

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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.

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