

## Mastertac Technical Information

12-03-2021 EN SI

### Product

**VELLUM M NXT+FSC / REMOVABLE / KRAFT 83-FSC / SCORE PRINTED**

Sales Code

HWL/95-R/HWW/W3

Product use

Product designed for commercial and general labeling with very good printing results where removability of the label is required. The Mastertac NXT+ product design results in a superior carbon performance by leveraging a smarter choice and use of materials.

### Typical technical values

#### Face

#### VELLUM M NXT+FSC

Product

Surface sized wood-free SC paper.

Substance

70 g/m<sup>2</sup> ISO 536

Caliper

70 µm ISO 534

Tensile strength MD

5,5 kN/m ISO 1924/1

Tensile strength CD

2,5 kN/m ISO 1924/1

Brightness

95 % ISO 2470/1

Roughness

2,7 µm ISO 8791 PPS 10

Opacity

89 % ISO 2471

CIE Whiteness

133 % ISO 11475

Stiffness MD

0,18 mNm ISO/DP 2493

Stiffness CD

0,1 mNm ISO/DP 2493

Printability

Offset, flexography, letterpress and dot-matrix.

Sustainability

The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCHCOC-004879.

#### Adhesive

#### REMOVABLE

Type

Removable

Composition

Waterborne acrylic

Use

A general purpose removable adhesive designed for sheets laminates. Good long-term removability. Good cohesion and adhesion at difficult substrates.

Tack min

3 N FTM 9

Shear min

1 h FTM 8

Labelling temperature min

5 °C

Service temperature max

80 °C

Limitations

Not recommended for labelling PVC or acrylic coated surfaces, long term removability might be restricted.

#### Backing

#### KRAFT 83-FSC

Product

White woodfree kraft backing paper

Substance

83 g/m<sup>2</sup> ISO 536

Caliper

84 µm ISO 534



**Master**tac®  
by UPM Raflatac

Tensile strength MD	8,7	kN/m	ISO 1924
Tensile strength CD	3,8	kN/m	ISO 1924
Sustainability	The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCHCOC-004879.		

## Performance

Total caliper	171 µm
Minimum labelling temperature	5 °C
Service temperature	5 °C +80 °C
Shelf life	From date of manufacture: 24 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	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.
---------------------	--

## Approvals

Approvals	For further compliance information related to food labeling applications, please contact your local sales representative for a Declaration of Conformance (DoC) document.
Approvals	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.

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.

