

## UPM Raflatac Technical Information

13-03-2022 EN SI

<b>Product</b>	<b>JETLASER HS-FSC / PERM. DIGITAL / KRAFT SPECIAL 90 / SCORE PRINTED</b>
Sales Code	IJS/SPA3/14/W3
Product use	Product designed for logistical and industrial applications. Variable information printing such as direct mailing, business forms, tags, product labels, shipping labels and ID or coding applications.

### Typical technical values

<b>Face</b>	<b>JETLASER HS-FSC</b>		
Product	Woodfree machine finished paper.		
Substance	70	g/m <sup>2</sup>	ISO 536
Caliper	90	µm	ISO 534
Tensile strength MD	5,2	kN/m	ISO 1924/1
Tensile strength CD	2,2	kN/m	ISO 1924/1
Brightness	98	%	ISO 2470/1
Roughness	5	µm	ISO 8791 PPS 10
Opacity	92	%	ISO 2471
CIE Whiteness	164	%	ISO 11475
Stiffness MD	0,28	mNm	ISO/DP 2493
Stiffness CD	0,1	mNm	ISO/DP 2493
Printability	Suitable for laser and inkjet. Flexography, offset and screenprint. Please note that conventional printing can compromise inkjet and laser overprintability.		
Sustainability	The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879.		
<b>Adhesive</b>	<b>PERM. DIGITAL</b>		
Type	Permanent		
Composition	Waterborne acrylic		
Use	Designed for Sheets laminates in wide range of end-uses, specially for laser printer applications. Very good adhesion for general use with paper labels. Good heat resistance. Adhesive specially improved with non-bleeding properties on high speed printer lasers, for complete security 4-edges matrix stripping recommended.		
Tack min	10	N	FTM 9
Shear min	2	h	FTM 8
Limitations	Should not be used in cold environments. Not recommended for labelling highly curved surfaces.		
<b>Backing</b>	<b>KRAFT SPECIAL 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	8,7	kN/m	ISO 1924



Tensile strength CD 3,8 kN/m ISO 1924

### Performance

Total caliper 188 µm  
Minimum labelling temperature 5 °C  
Service temperature -10 +100 °C  
Shelf life From date of manufacture: 48 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.



**UPM Raflatac Technical Information**

13-03-2022 EN SI

<b>Product</b>	<b>JETLASER-FSC / PERM.GREENTAC + / KRAFT SPECIAL 70 / SOLID PRINTED</b>
Sales Code	AYK/SP34/90/W1
Product use	Specially designed product for office documentation, address labelling and other information labelling in logistics and industrial applications.

**Typical technical values**

<b>Face</b>	<b>JETLASER-FSC</b>		
Product	Woodfree machine finished paper.		
Substance	70	g/m <sup>2</sup>	ISO 536
Caliper	90	µm	ISO 534
Tensile strength MD	5,2	kN/m	ISO 1924/1
Tensile strength CD	2,2	kN/m	ISO 1924/1
Brightness	98	%	ISO 2470/1
Roughness	5	µm	ISO 8791 PPS 10
Opacity	92	%	ISO 2471
CIE Whiteness	164	%	ISO 11475
Stiffness MD	0,28	mNm	ISO/DP 2493
Stiffness CD	0,1	mNm	ISO/DP 2493
Printability	Suitable for laser and inkjet. Flexography, offset and screenprint. Please note that conventional printing can compromise inkjet and laser overprintability.		
Sustainability	The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879.		
<b>Adhesive</b>	<b>SP34 GREENTAC PLUS</b>		
Type	General permanent adhesive for sheets.		
Composition	Modified acrylic dispersion.		
Use	A very good adhesive for general use with paper labels. Good heat resistance. Improved guillotine properties.		
Tack min	10	N	FTM 9
Shear min	2	h	FTM 8
Limitations	Should not be used in cold environments. Not recommended for labelling highly curved surfaces.		
<b>Backing</b>	<b>KRAFT SPECIAL 70</b>		
Product	White woodfree kraft backing paper.		
Substance	66	g/m <sup>2</sup>	ISO 536
Caliper	69	µm	ISO 534
Tensile strength MD	5,6	kN/m	ISO 1924
Tensile strength CD	2,5	kN/m	ISO 1924



## Performance

Total caliper	176 µm
Minimum labelling temperature	5 °C
Service temperature	-10 +100 °C
Shelf life	From date of manufacture: 48 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.

## 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.

