

UPM Adhesive Materials Technical Information

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Product	LASERSILK HS-FSC / PERM. DIGITAL. / KRAFT SPECIAL 90 / SCORE PRINTED
Sales Code	DLD/SPA3/14/W3
Product use	A multipurpose, semi-gloss finished product suiting variable information and high quality multicolored labels. Personalized and/or short/medium runs for promotional and product labeling.

Typical technical values

Face	LASERSILK HS-FSC		
Product	White woodfree machine coated SC midgloss face paper.		
Substance	85	g/m ²	ISO 536
Caliper	71	µm	ISO 534
Tensile strength MD	5,6	kN/m	ISO 1924/1
Tensile strength CD	2,9	kN/m	ISO 1924/1
Brightness	92	%	ISO 2470/1
Roughness	0,7	µm	ISO 8791 PPS 10
Opacity	89	%	ISO 2471
Gloss	78	%	Hunter 75°
CIE Whiteness	130	%	ISO 11475
Stiffness MD	0,25	mNm	ISO/DP 2493
Stiffness CD	0,15	mNm	ISO/DP 2493
Printability	Laser and copier printable: specially developed for medium and high volumes. Flexography, letterpress, offset, rotogravure and screen. Hot foil. Suitable for thermal transfer printing with wax/resin ribbons. Testing recommended.		
Sustainability	The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879.		

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

Backing	KRAFT SPECIAL 90		
Product	White woodfree kraft backing paper.		
Substance	86	g/m ²	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	170 µm ± 10%
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. For further compliance information related to toy end-use applications, please contact your local sales representative for our Toy regulation statement.
Product availability	Standard range. (Other sizes and/or components available upon request).

STANDARD SHEET SIZE (CM)	32 x 45
PACKAGING TYPE	Box 100/250 sh

Approvals

Approvals	For further compliance information related to food labeling applications, please contact your local sales representative for a Declaration of Conformance (DoC) document.
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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This publication replaces all previous versions. All information is subject to change without notice.

