

UPM Raflatac Technical Information

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Product	LASERSILK HS-FSC / PERM. DIGITAL / KRAFT SPECIAL 90 / SOLID PRINTED
Sales Code	DLD/SPA3/14/W1
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
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 SGSCHCOC-004879.		
Adhesive	PERM.DIGITAL		
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.		
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
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 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.
Approvals	Toy labeling: This product complies with the European Standard EN71-3:2013 "Safety of Toys" - Migration of certain elements.

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