

## UPM Raflatac Technical Information

25-04-2020 EN SI

**Product** **LASERGLOSS OP HS-FSC / PERM. DIGITAL / KRAFT SPECIAL 90 / SCORE PRINTED**

Sales Code	DTA/SPA3/14/W3
Product use	A multipurpose, high-gloss finished product suiting variable information and high quality multicolours labels. Recommended for block-out labels where total coverage is required. Personalized and/or short/medium runs for promotional and product labeling.

### Typical technical values

**Face** **LASERGLOSS OPAQUE HS-FSC**

Product	Cast-coated, wood-free paper with grey reverse side to increase the opacity.		
Substance	82	g/m <sup>2</sup>	ISO 536
Caliper	80	µm	ISO 534
Tensile strength MD	5	kN/m	ISO 1924/1
Tensile strength CD	2,9	kN/m	ISO 1924/1
Brightness	80	%	ISO 2470/1
Roughness	0,7	µm	ISO 8791
Opacity	99	%	ISO 2471
Gloss	89	%	Hunter 75°
CIE Whiteness	103	%	ISO 11475
Stiffness MD	0,42	mNm	ISO/DP 2493
Stiffness CD	0,25	mNm	ISO/DP 2493
Printability	Laser and copier printable: specially developed for medium and high volumes. Testing for SOHO printers is recommended. Flexography, letterpress, offset, rotogravure, screen and hot foil.		
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 <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	179 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 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 100/250 sh

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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