## UPM Raflatac Technical Information

23-04-2023 EN SI

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| **Product** | **LASERGLOSS HS-FSC / PERM. DIGITAL / KRAFT SPECIAL 90 / SCORE PRINTED** |
| Sales Code | CMY/SPA3/14/W3 |
| Product use | A multipurpose, mirror like, high-gloss finished product suiting variable information and high quality multicolours labels. Personalized and/or short/medium runs for promotional and product labeling. |

### Typical technical values

| **Face** | **LASERGLOSS HS-FSC** | | | |
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| Product | Cast-coated, wood-free paper with mirror-like gloss finish. | | | |
| Substance | 80 | g/m² | ISO 536 | |
| Caliper | 78 | µm | ISO 534 | |
| Tensile strength MD | 5 | kN/m | ISO 1924/1 | |
| Tensile strength CD | 2,9 | kN/m | ISO 1924/1 | |
| Brightness | 87 | % | ISO 2470/1 | |
| Roughness | 0,7 | µm | ISO 8791 | PPS 10 |
| Opacity | 88 | % | ISO 2471 | |
| Gloss | 89 | % | Hunter 75° | |
| CIE Whiteness | 108 | % | ISO 11475 | |
| Printability | Laser and copier printable: specially developed for medium and high volumes. As used with KS85, KS90 or KSS100 backing 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 SGSCH-COC-004879. | | | |

| **Adhesive** | **PERM. DIGITAL** | | |
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| 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/m² | 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** | |
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| Total caliper | 177 µm ± 10% |
| Minimum labelling temperature | 5 °C |

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| 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**

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| 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**

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| 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. |

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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.