

UPM Raflatac Technical Information

18-03-2024 EN SI

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| Product | THERMAL TOP P 200 TPFREE-FSC / RP48 / HONEY GLASSINE 65-FSC |
| Sales Code | FLG/RP48/FUX |
| EAN | 6415788460528 |
| Product use | Product designed for topcoated direct thermal labels especially in pre-packed food applications with good convertability, direct thermal printability and low temperature adhesion. |

Typical technical values

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| Face | THERMAL TOP P 200 TPFREE-FSC | | | |
| Product | A top and reverse side barrier coated thermal paper with a standard sensitivity produced totally without phenol-based chemistry. This face paper is made from FSC™-certified (mix credit) pulp. | | | |
| Substance | 75 | g/m ² | ISO 536 | |
| Caliper | 74 | µm | ISO 534 | |
| Tensile strength MD | 4,7 | kN/m | ISO 1924/2 | min |
| Tensile strength CD | 2,3 | kN/m | ISO 1924/2 | min |
| Brightness | 93 | % | ISO 2470/3 | norm |
| Imaging colour | Black | | | |
| Scanning | Visible red light (wavelength up to 650 nm). | | | |
| DT printing speed | Direct thermal printing speed up to 200 mm/s. | | | |
| Optical density | Direct thermal print 1.20 (min) | | | |
| Printability | Suitable for direct thermal, UV- and water-based flexography, UV-letterpress and UV-offset. | | | |
| Sustainability | The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879. | | | |
| Adhesive | RP48 | | | |
| Type | Freezer permanent adhesive. | | | |
| Composition | Acrylic, water borne. | | | |
| Tack | 12 | N/25mm | FTM 9 | |
| Backing | HONEY GLASSINE 65-FSC | | | |
| Product | Yellow transparent glassine backing paper. | | | |
| Substance | 54 | g/m ² | ISO 536 | |
| Caliper | 47 | µm | ISO 534 | |
| Tensile strength MD | 5,4 | kN/m | ISO 1924 | |
| Tensile strength CD | 2,2 | kN/m | ISO 1924 | |
| Transparency | 49 | % | DIN 53147 | |
| Sustainability | The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879. | | | |

Performance

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| Total caliper | 138 µm ± 10% |
| Minimum labelling temperature | -20 °C |
| Service temperature | -40 °C to +60 °C |
| Shelf life | From date of manufacture: 12 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

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| Product Information | Designed for wide range of industrial applications including pre-packed foodstuffs labelling where premium resistance to oil and water is required. Should be used when very good adhesion at low temperature is required. Very good adhesion to non-polar surfaces. Not suitable for labelling curved surfaces and limited adhesion to moist surfaces. Pre-printing and varnish layers decrease print head heat energy conductivity into thermal layer, consequently it is recommended not to pre-print/varnish label area which is meant for direct thermal printing. |
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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. |
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| 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.

