

UPM Raflatac Technical Information

08-05-2019 EN SI

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| Product | THERMAL ECO BPA FREE-FSC / RP51 / HONEY GLASSINE 65 |
| Sales Code | BZE/RP5X/03 |
| EAN | 6415788105894 |
| Product use | Product designed for general purpose non topcoated direct thermal labels for retail and transport & logistics applications with good convertability, direct thermal printability and ambient temperature performance. |

Typical technical values

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| Face | THERMAL ECO BPA FREE-FSC | | | |
| Product | A non-top coated paper with a high sensitivity thermal coating produced totally without BPA-based chemistry. This face paper is made from FSC™-certified (mix credit) pulp. Limited resistance to thermal image scratching or smudging. | | | |
| Substance | 71 | g/m ² | ISO 536 | |
| Caliper | 79 | µm | ISO 534 | |
| Tensile strength MD | 3.90 | kN/m | ISO 1924/2 | min |
| Tensile strength CD | 1.90 | kN/m | ISO 1924/2 | min |
| Brightness | 92 | % | ISO 2470/3 | |
| Roughness | 1.9 | µm | ISO 8791 | PPS 10/ max |
| Imaging colour | Black | | | |
| Scanning | Visible red light (wavelength up to 650 nm). | | | |
| DT printing speed | Direct thermal printing speed up to 300 mm/s. | | | |
| Optical density | Direct thermal print 1.27 (min) | | | |
| Printability | Suitable for direct thermal and water based flexography. | | | |
| Sustainability | The product is sold as FSC™ Mix Credit under UPM Raflatac's FSC certificate SGSCH-COC-004879. | | | |
| Adhesive | RP51 | | | |
| Type | General purpose permanent adhesive. | | | |
| Composition | Acrylic, water borne. | | | |
| Tack | 18 | N/25mm FTM 9 | | |
| Backing | HONEY GLASSINE 65 | | | |
| Product | Yellow transparent glassine backing paper. | | | |
| Substance | 57 | g/m ² | ISO 536 | |
| Caliper | 51 | µm | ISO 534 | |
| Tensile strength MD | 6.2 | kN/m | ISO 1924 | |
| Tensile strength CD | 2.3 | kN/m | ISO 1924 | |
| Transparency | 49 | % | DIN 53147 | |

Performance

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| Total caliper | 145 µm |
| Minimum labelling temperature | 0 °C |
| Service temperature | -20 °C to 80 °C |
| Shelf life | From date of manufacture: 24 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 | General purpose product for retail and transport & logistics applications. Good adhesion to all normal substrates, including non-polar surfaces, films and corrugated boards. Good low temperature performance. Not suitable for labelling plasticized PVC and the product has limited resistance in wet conditions. Not recommended for labelling highly curved surfaces. |
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Approvals

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| Approvals and certifications | For food packaging applications, please contact your local sales representative for the individual Declaration of Conformance (DoC) document of each product component for further compliance information. |
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| Disclaimer | <p>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.</p> |
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This publication replaces all previous versions. All information is subject to change without notice.

