

## UPM Adhesive Materials Technical Information

14-04-2026 EN SI EMEIA

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| <b>Product</b> | <b>POLYLASER GLOSS WHITE / PERM DIGI FILM / KRAFT SP STABIL 120-FSC / SCORE PRINTED</b>                                                                                                                                                                                                                                                  |
| Sales Code     | A9/DP37/IQA/W3                                                                                                                                                                                                                                                                                                                           |
| Product use    | Product designed for laser printed film labels with variable information for promotional, product and logistic labeling. Suitable for outdoor applications. Especially recommended when resistance against water, oil and chemicals is important. This filmic product has excellent tolerance for temperature and humidity fluctuations. |

### Typical technical values

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |            |        |
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| <b>Face</b>     | <b>POLYLASER GLOSS WHITE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |            |        |
| Product         | White, gloss coated heat stabilised polyester film.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |            |        |
| Substance       | 72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | g/m <sup>2</sup> | DIN 53352  |        |
| Caliper         | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | µm               | DIN 53370  |        |
| Elongation MD   | 130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | %                | DIN 53455  |        |
| Elongation CD   | 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | %                | DIN 53455  |        |
| 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    | Suitable for laser and common label printing methods like flexography, screen and offset due to the pre-treatment. Special inks designed for non-absorbent materials should be used. Depending on printer used, especially in low humidity conditions, static electricity might occur. To reduce this effect store your media in temperature and humidity controlled conditions. In critical cases manual feed or bypass tray is recommended. Fan the pile of sheets prior printing in order to release accumulated electric charge. |                  |            |        |
| <b>Adhesive</b> | <b>DP37</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |            |        |
| Type            | Permanent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |            |        |
| Composition     | Waterborne acrylic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |            |        |
| Tack            | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N                | FTM 9      |        |
| Shear           | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | h                | FTM 8      |        |
| <b>Backing</b>  | <b>KRAFT SP STABIL 120-FSC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |        |
| Product         | White woodfree kraft backing paper.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |            |        |

|                     |                                                                                               |                  |          |
|---------------------|-----------------------------------------------------------------------------------------------|------------------|----------|
| Substance           | 120                                                                                           | g/m <sup>2</sup> | ISO 536  |
| Caliper             | 112                                                                                           | µm               | ISO 534  |
| Tensile strength MD | 8                                                                                             | kN/m             | ISO 1924 |
| Tensile strength CD | 4                                                                                             | kN/m             | ISO 1924 |
| Sustainability      | The product is sold as FSC Mix Credit under UPM Raflatac's FSC™ certificate SGSCH-COC-004879. |                  |          |

### Performance

|                               |                                                                                                                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total caliper                 | 179 µm ± 10%                                                                                                                                                                                       |
| Minimum labelling temperature | 5 °C                                                                                                                                                                                               |
| Service temperature           | -20 +100 °C                                                                                                                                                                                        |
| Shelf life                    | From date of manufacture: 24 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  | For further compliance information related to toy end-use applications, please contact your local sales representative for our Toy regulation statement. |
| Product availability | Standard range. (Other sizes and/or components available upon request).                                                                                  |

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