

UPM Raflatac Technical Information

23-02-2022 EN SI

Product **PET MATT WHITE TC 50 / RC18 / HD 70**

Sales Code CFK/RC18/28

EAN 6415788113714

Product use Product designed as a universal durables labelling solution, performing the lifetime of the labelled product with very good adhesion and very good print resistance against chemicals, UV-light, heat and moisture. Its universality helps simplify product portfolios and reduce testing and evaluation of label material.

Typical technical values

Face **PET MATT WHITE TC 50**

Product White, matt top-coated polyester film.

Substance 73 g/m² DIN 53352

Caliper 55 µm DIN 53370

Opacity 78 % ISO 2471 min.

Printability Suitable for flexography, screen and offset printing methods. Special inks designed for non-absorbent materials should be used. Thermal transfer is possible with selected wax, wax-resin and resin ribbons

Adhesive **RC18**

Type Strong permanent

Composition UV-acrylic

Tack 20 N/25mm FTM 9 (on glass)

Peel 180° 23 N/25mm FTM 1 (on glass)

Backing **HD70**

Product A white transparent glassine backing paper.

Substance 62 g/m² ISO 536

Caliper 54 µm ISO 534

Tensile strength MD 7 kN/m ISO 1924

Tensile strength CD 2,7 kN/m ISO 1924

Transparency 48 % DIN 53147

Performance

Total caliper 134 µm

Minimum labelling temperature 5 °C

Service temperature -40 °C to 200 °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

Adhesive coatweight 25 g/m²

Adhesion

Due to the fact that the adhesive needs a certain time to reach its final adhesion, we recommend waiting at least 24h (better 72h) after dispensing the label to the substrate before proceeding with any performance tests. Test Conditions: 23°C, 50%RH FTM1: 180° Peel Adhesion (300 mm/min) with 72 h dwell time.

Surface	[N/25mm]
Stainless Steel	21
ABS	18
Polycarbonate	25
Polypropylene	18
HDPE	12
PA6	16
PA6 + GF30	15
Polyester	17
Lacquered panel	15
Powder coated panel	11

Chemical resistance

Test Conditions: Dwell time on glass plate: 24 h; 23°C 50% RH Immersion in chemical: 4 h; 23°C 50% RH

Chemical	Visual Appearance	Edge Penetration (mm)
Brake Fluid	no change	0
Engine Oil	no change	0
Diesel	no change	0
Distilled Water	no change	0
Dish Washing Agent	no change	0
Bleach	no change	0

Approvals

Typical values

The listed technical data are typical values and give indications about the performance of the material only. They are not intended for specification purpose.

Disclaimer

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