UPM Raflatac Technical Information

23-06-2025 EN SI EMEIA

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
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

UL and CSA compliance

UL recognized acc. to UL969 and CSA recognized acc. to C22.2 No. 0.15. File-No.: MH26760

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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