

UPM Raflatac Technical Information

23-04-2023 EN SI

Product	POLYLASER GLOSS WHITE / PERM DIGI FILM / KRAFT SP STABILIZED 120 / STATICOUT
Sales Code	A9/DP37/FGX/S1
Product use	Product designed for gloss white, laser printed film labels with variable information for promotional and product labeling. Especially recommended when resistance against water, oil and chemicals is important. This filmic product has excellent tolerance for temperature and humidity fluctuations in outdoor applications. Product has an innovative StaticOUT™ feature for reducing the effects of static electricity.

Typical technical values

Face	POLYLASER GLOSS WHITE			
Product	White, gloss coated heat stabilised polyester film.			
Substance	72	g/m ²	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.			

Adhesive	DP37		
Type	Permanent		
Composition	Waterborne acrylic		
Tack min	9	N	FTM 9
Shear min	10	h	FTM 8

Backing	KRAFT SPECIAL STABILIZED 120		
Product	White woodfree kraft backing paper.		
Substance	120	g/m ²	ISO 536
Caliper	112	µm	ISO 534
Tensile strength MD	8	kN/m	ISO 1924
Tensile strength CD	4	kN/m	ISO 1924

Performance

Total caliper	179 µm
Minimum labelling temperature	5 °C
Service temperature	-20 °C +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

Product Information	Product has an innovative StaticOUT™ feature for reducing the effects of static electricity on sheet stock converting and laser printing.
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Approvals

Approvals	Toy labeling: This product complies with the European Standard EN71-3:2013 "Safety of Toys" - Migration of certain elements.
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