

UPM Adhesive Materials Technical Information

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Product	POLYLASER G C HS / PERM DIGI FILM / KRAFT SP STABIL 120-FSC / SOLID UNPRINTED
Sales Code	CBP/DP37/IQA/W0
Product use	Product designed for clear, laser printed film labels with variable information for promotional and product personalized labeling. Recommended when resistance against water, oil and chemicals is important. Especially recommended when manual labeling is required. This filmic product has excellent tolerance for temperature and humidity fluctuations.

Typical technical values

Face	POLYLASER GLOSS CLEAR HS		
Product	Transparent, gloss coated heat stabilized polyester film.		
Substance	71	g/m ²	DIN 53352
Caliper	50	µm	DIN 53370
Elongation MD	155	%	DIN 53455
Elongation CD	110	%	DIN 53455
Printability	Due to the pre-treatment, the film is printable by common label printing methods like letterpress, flexography, screen and offset. Special inks designed for non-absorbent materials should be used. Laser and copier printable: specially developed for medium and high volumes.		
Adhesive			
DP37			
Type	Permanent		
Composition	Waterborne acrylic		
Tack	9	N	FTM 9
Shear	10	h	FTM 8
Backing			
KRAFT SP STABIL 120-FSC			
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
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

Limitations	Visible backing score lines from the transparent face side, which does not affect the high printing quality or label visual appearance after application. No complain related to this visual characteristic will be accepted.
Product Information	Scoring is crucial to ensuring self-adhesive labels are easily peeled away from their backing. Our sheets have folding scores that are spaced at 35 mm intervals, what enables a smooth label opening. Scores open after bending 90–120° Scores don't open if they have not been folded previously.
Product availability	Standard range. (Other sizes and/or components available upon request).
Disclaimer	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.

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