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Thermal PP 100

Removable

Facestock White polypropylene film with thermo-sensitive coating (black imaging).

Basis weight	78	g/m ²	ISO 536
Caliper	100	µm	ISO 534
Raw material	1915010		

Adhesive A general purpose removable, acrylic based adhesive.

Liner BG40 brown, a supercalendered glassine paper.

Basis weight	55	g/m ²	ISO 536
Caliper	49	µm	ISO 534

Laminate

Total Caliper	163	µm ±10%	ISO 534
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Performance Data

Initial Tack	4	N/25mm	FTM 9 Glass
Peel Adhesion 90°	2	N/25mm	FTM 2 St.St.
Min. application temp.	-15	°C	
Service temperature	-30° to 80° C		

Adhesive Performance The adhesive features good tack and adhesion in combination with superior and clean removability from most substrates. Good UV resistance and long term removability. The adhesive allows label application at a wide temperature range and it retains its removable properties even at very low temperatures.

Application & use A durable synthetic material with enhanced tear resistance and high sensitivity for use in a wide range of applications, including commercial tagging, wristbands, sport/game licensing, amusement pass, and ski lift tickets where short life or low contamination is common. The adhesive removes clean from many substrates from polymeric (e.g. PET, PP, ABS), card and fibre board, aluminium, stainless steel

or glass (not suitable for window labelling). The use of the adhesive on certain types of cardboards, or recycled fibres can be critical and it is strongly recommended to proceed to application testing before use.

Conversion & printing

This thermo-sensitive product is designed for use in thermal printing systems at printing speeds up to 200 mm/sec. The product can be converted by all conventional roll conversion technologies including flexographic and UV letter press. However, due to the thermographic properties exposure above 50° C, it may cause premature imaging or discolouration. Inks containing alcohol or volatile organic solvents may cause discolouration of the thermosensitive coating. It is advisable to test inks and varnishes before conversion.

Special approvals

The adhesive complies with European food regulation 1935/2004/EC, with the German Recommendation (BfR) XIV and with FDA § 175.105. It also meets the demands of the limit values laid down in 10/2011/EU. In accordance with the requirements of relevant EU food regulations, the adhesive may safely stand in direct contact with dry, moist and fatty foodstuffs which have a reduction factor of at least 2 according to the Commission Regulation (EU) No 10/2011, with vegetable oil as fatty food simulant used for migration testing.

Shelf life

12 months under storage conditions as defined by FINAT (20-25° C; 40-50 % RH).

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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This publication replaces all previous versions. All information is subject to change without notice.



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