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Thermal TC

Removable

Facestock

A white, woodfree, top coated thermal paper with a black imaging thermo-sensitive coating , providing very good resistance to plasticizers, oil & fat, heat, UV light.

Raw material	1911001		
Basis weight	75	g/m ²	ISO 536
Caliper	81	µm	ISO 534
Max. print speed	200	mm/sec	
Image density (typical)	1.2	odu	

Adhesive

A general purpose removable, rubber 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	150	µm ±10%	ISO 534
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Performance Data

Initial Tack	5	N/25mm	FTM 9 Glass
Peel Adhesion 90°	2.5	N/25mm	FTM 2 St.St.
Min. application temp.	-20	°C	
Service temperature	-40° C to 60° C		

Adhesive Performance

The adhesive is suitable for general application on a wide range of substrates, featuring good initial tack and adhesion combined with excellent removability. Remark: Application to porous substrates such as paper and board, or prolonged exposure to UV light may adversely affect clean removability.

Application & use

This Direct Thermal product is designed for use in transportation and logistics applications where a short term resistance to an assortment of chemicals, handling, plasticizers and very light moisture is required. Typical end use applications include courier, warehouse and process tracking. Long term contact with an assortment of chemicals or heavy moisture can cause potential image fading. The product complies with the Swiss ordinance (SR 814.84) on the restriction of BPS*. * both Eu and Swiss authorities regulate on a 0.02% trace amount allowance, this is generally considered as free-off BPA or BPS.

Conversion & printing

The product is primarily recommended for use in blank label applications. Though applications using conventional roll conversion technologies including flexographic and UV letterpress can be considered providing testing is completed for the compatibility of inks in the specific thermal printing units. Also, due to the thermographic properties, exposure above 50° C may cause premature imaging or discoloration. It is advisable to test inks and varnishes before conversion. We generally recommend not to pre-print the label area that needs to be thermally printed.

Special approvals

The adhesive complies with the European food directives and legislations, FDA 175.105 and the German recommendations XIV as published by BfR. BfR (Bundesinstitut für Risikobewertung) is the German Federal Institute for Risk Assessment. The adhesive can be used in direct contact with dry and moist, non fatty foodstuffs.

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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