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Thermo Top S8 (-40° C)

Permanent

Facestock

A white wood free paper, coated with a black imaging thermosensitive coating, providing very good resistance to plasticizers, oil & fat, heat, UV light. The facestock is made from FSC® certified paper.

Raw material	1901001		
Basis weight	74	g/m ²	ISO 536
Caliper	77	µm	ISO 534
Max. print speed	250	mm/sec	
Image density (typical)	1.3	odu	

Adhesive

A general purpose permanent, 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	138	µm ±10%	ISO 534
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Performance Data

Initial Tack	18	N/25mm	FTM 9 Glass
Peel Adhesion 90°	9	N/25mm	FTM 2 St.St.
Min. application temp.	0	° C	
Service temperature	-40° C to 70° C		

Adhesive Performance

The adhesive features excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. Particularly good performance at lower temperatures, e.g. labelling of chilled products.

Application & use

This Direct Thermal product is designed for use in general purpose DT product labelling where a short term resistance to wet immersion, assortment of chemicals, plasticizers and handling is required. Typical end use application include delicacies, back of store, item level labelling and moist goods weigh scale. Long term contact with an assortment of chemicals or long term wet immersion can cause potential image fading. This product is produced without the use of Bisphenol (BP). The product complies with the Swiss ordinance (SR814.81) 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 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 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 XXI 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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