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Thermal ECO 42R Removable

White thermal paper without protective surface coating, FSC®-Mix Credit (economy quality)

Specifications

Raw material	1901002			
Grammage Caliper Tensile strength MD Tensile strength CD Stiffness MD Stiffness CD Opacity Imaging colour	approx. 70 approx. 76 approx. 70 approx. 38 approx. 220 approx. 110 approx. 90 black	g/m² µm N/15mm N/15mm mN %	ISO 536 ISO 534 DIN 53112 DIN 53112 DIN 53121 DIN 53121 ISO 2471	
Application & use	The surface of Thermal ECO 42R offers a good quality of imprint provided that solvent-free inks and varnishes are applied (ink recommendation list available). The inks should be suitable for printing thermal papers, consulting of ink supplier is recommended. Basically, suitability tests should be performed under customer-specific conditions as unpredictable interactions with the ink may occur due to the lack of a protective coating. Web temperature during curing should not exceed 50° C in order to prevent premature imaging or discoloration. Printing speeds of up to 250 mm/s are possible in thermal direct printing.			
	Thermal ECO 42R is well suited as weight label material on food packaging and presents excellent grades with EAN and other barcodes. As economy thermal papers are not equipped with a protective surface coat, they should not be exposed to water or greasy substances. The image may fade over a period of time if applied to surfaces containing plasticizers (e.g. flexible polyvinyl chloride). The pulp for this paper comes from FSC certified forest management. This			
		rovements in sust omic standards.	ainable forest management regarding ecologic,	
Regulations concerning contact with food	contact with foo used in printers stand in direct o	od is physiological and scales for the contact with those	I ECO 42R according to the sample material ly and toxicologically safe and may therefore be e marking of goods. However, they may only e foodstuffs which are washed and/or peeled arch and Development Institute, Aschaffenburg).	

Technical Data Sheet Labels



Adhesive

Removable, acrylic-based adhesive.

Specifications

Tack Peel adhesion Shear Min. application temp. Service temperature	medium low (removable) adhesion failure -20° C -40° C to + 50° C (up to 200° C for short periods – hot fusing)
Application & use	The adhesive offers good tack combined with excellent removability from most surfaces, even after long-term labelling. Thanks to its well-balanced adhesive characteristics this removable adhesive is perfectly suited for a wide variety of applications. However, the low adhesion of it is likely to be insufficient for applications on curved surfaces. The adhesive is resistant to light, heat and ageing.
Processing	Excellent die-cutting characteristics on all customary machines.
Regulations concerning contact with food	All ingredients of the adhesive comply with recommendation BfR XIV or FDA 21 CFR 175.105 (Adhesives).

PH (515)

Honey, supercalandered glassine.

Specifications

Grammage	approx. 57	g/m²	ISO 536	
Caliper	approx. 50	μm	ISO 534	
Tensile strength MD	approx. 78	N/15mm	DIN 53112	
Tensile strength CD	approx. 35	N/15mm	DIN 53112	
Transparency	approx. 50	%	DIN 53147	
	The supercalendered glassine is perfectly suited for assignment in labelling machines equipped with optical or mechanical scanners.			
Application & use	-			

Technical Data Sheet Labels



Storage conditions &	12 months – storing at a temperature of $20 \pm 5^{\circ}$ C, a relative humidity of $45 \pm 5\%$ and shelf life a dark storage is recommended. Moisture, heat and direct sunlight have to be avoided.				
	If the storage conditions and the conditions at the place of converting are different, the material should have enough time for acclimatisation. Otherwise this might lead to converting problems. Generally the material should be unpacked just before converting.				
	Self-adhesive materials should be converted systematically based on the principle "first-in-first-out". Also the shelf-life should be taken into account.				
Regulations concerning Contact with food	The paper complies with recommendation BfR XXXVI.				



Disclaimer

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



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