

Thermal Top E-FSC

Permanent

Face material

Label material	Thermal Top E-FSC permanent
Raw material	1902067
Product	Standard sensitivity top coated thermal paper, not back barriered, produced without bisphenols (BP free). Good resistance to moisture and medium resistance to oil and fat. More sensitive to scratching. Facestock is FSC™ certified (FSC Mix AEN.COC-000015). FSC certification ensures that products are made from responsibly managed forests.

Typical technical values

Grammage	74	g/m ²	ISO 536
Thickness	78	µm	ISO 534
Whiteness	88	%	ISO 2470
Max. printing speed	200	mm/sec	
Image density (typical)	1.4	O.D.	
Imaging colour	black		

Adhesive

Adhesive	Permanent
Type	General purpose permanent acrylic water based adhesive. Good adhesion to a wide variety of substrates, including non-polar surfaces. Good behaviour at low temperatures.
General characteristics	The research center ISEGA has given the adhesive approval according to the European requirements for direct contact with dry and moist, non-fatty foodstuffs and compliance with the FDA, 21 CFR Ch.I (April 1, 2013 edition) 175.105 for direct contact with dry foodstuffs or they must be separated from the foodstuffs by a functional barrier.

Typical technical values

Tack	> 10	N/25mm	FTM 9 (glass)
Cohesion (h)	> 2	1 kg	FTM 8
Labelling temperature	>0	°C	
Usage temperature	-20°	to +70° C	

Backing paper

Backing	CC62
Product	Supercalandered glassine paper, cream.

Typical technical values

Grammage	56	g/m ²	ISO 536
Thickness	49	µm	ISO 534
Transparency	48	%	ISO 2469
Tensile strength MD	> 5	kN/m	ISO 1924
Tensile strength CD	> 2	kN/m	ISO 1924

Use & application

Recommended for thermal labels that require water resistance. It is not resistant to oil and greases. Exposition at temperatures above 50°C may cause activation of the thermal layer. Longer term contact with moisture, oil, fats or plasticizers and exposure to intense sunlight may cause image fading.

Shelf life

12 months under storage conditions as defined by FINAT section 2.5 (20-25° C, 40-50% RH). Prolonged storage at higher temperatures and / or humidity levels will shorten the shelf life of the product.

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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