



# Thermal ECO

## Removable

### Characteristics Label

Label material	Thermal ECO removable
Raw material	1900008
Adhesive bond	Rolls
Product	A non-top coated paper with a high sensitivity thermal coating produced totally without BPA-based chemistry. This face paper is made from FSC™-certified (mix credit) pulp. Limited resistance to thermal image scratching or smudging.
Use	Designed for information labelling in dry environments such as price marking and other short life retail and logistics end-uses. Avoid contact with plasticizers (PVC), moisture, oil and fats.

### Typical technical values

Substance	71	g/m <sup>2</sup>	ISO 536	
Caliper	79	µm	ISO 534	
Tensile strength MD	3.90	kN/m	ISO 1924/2	min
Tensile strength CD	1.90	kN/m	ISO 1924/2	min
Brightness	92	%	ISO 2470/3	
Roughness	1.9	µm	ISO 8791	PPS 10 / max
Imaging colour	Black			
Scanning	Visible red light (wavelength up to 650 nm).			
DT printing speed	Direct thermal printing speed up to 300 mm/s.			
Optical density	Direct thermal print 1.27 (min)			

**Printability** Suitable for direct thermal and water based flexography.

**Storage recommendations** Store at constant temperature (20° C, RH 50 %) in the dark. Exposure to strong sunlight or strong artificial light should be avoided. Also avoid the influence of aggressive chemicals.

### Characteristics Adhesive

Adhesive	Removable
Type	Removable adhesive.
Composition	Acrylic, water-borne.
Use	Designed for labelling wide variety of substrates where good long term removability is required. Good adhesion to fiber based substrates and curved surfaces.

### Typical technical values

Tack	5	N/25mm FTM 9	
Peel min.	2.0	N/25mm FTM 2	90°
Peel max.	5.0	N/25mm FTM 2	90°
Labeling temp. min.	5	°C	
Service temp. min.	-10	°C	
Service temp. max.	80	°C	

**Limitations** Due to diversity of fiber based substrates such as cardboard, it is recommended to perform an application test before using.

**Approvals** For food packaging applications, please contact your local sales representative for the individual Declaration of Conformance (DoC) document for further compliance information.

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### Characteristics Glassine

Backing	HONEY GLASSINE 65
Product	Yellow transparent glassine backing paper.
Use	Designed for all reelstock applications; suitable for automatic dispensing.

### Typical technical values

Substance	57	g/m <sup>2</sup>	ISO 536
Caliper	51	µm	ISO 534
Tensile strength MD	6.2	kN/m	ISO 1924
Tensile strength CD	2.3	kN/m	ISO 1924
Transparency	49	%	DIN 53147

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**Shelf life** From date of manufacture: 12 months, under FINAT defined storage conditions (+20-25° C and RH 40-50 %). Prolonged storage at higher temperatures and/or humidity levels will shorten the shelf life.

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## 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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