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# Thermal ECO (-40° C) Permanent

## **Characteristics** Label

Label material Raw material Adhesive bond Product Use	Thermal Eco (-40° C) permanent 1900026 Rolls 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. 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/m²	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	Permanent				
Туре	General purpose, strong permanent adhesive.				
Composition	Rubber, hotmelt.				
Use	Designed for use in cold environment, moist surface when very high initial adhesion is required. Good low temperature performance once labelled. Very				
	good adhesion to non-polar surfaces. Good adhesion to cardboard in chill and				
	freezer conditions.				

### **Typical technical values**

Tack	25	N/25mm FTM 9	
Labeling temp. min.	-5	°C	
Service temp. min.	-40	°C	
Service temp. max.	50	°C	
Limitations	Use on highly curved surfaces needs pretesting.		
Approvals	For food packaging applications, please contact your local sales representative for the individual Declaration of Conformance (DoC) document for further compliance information.		

## **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**

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.



## Disclaimer

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



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