

Product: Thermal Eco 100% recycled fibres, Perm Acrylic.

Face Material	Target	Unit	Method
Substance	82± 4	g/m ²	ISO 536
Thickness	95 ± 5	μ	ISO 534

Description: White phenol free thermal paper without protective surface coating (economy quality), made from 100% recycled fibre.

Adhesive	Target	Unit	Method
Peel Adhesion	Very high	n/25mm	FTM 1
Shear	Very high	min	FTM 8
Tack	Very high	N	FTM 9
Min Application Temperature	-10	°C	
Service Temperature	-30 to +80	°C	

Type: A very high tack adhesive, even on cold surfaces down to -10 °C. Due to the high initial tack even on moist surfaces this adhesive is particularly suited for labelling polar and nonpolar surfaces such as plastic containers, film wrappings and other packaging materials. Once labelled the adhesive is highly waterproof.

All ingredients of adhesive comply with recommendation BfR XIV or FDA 21 CFR 175.105 (Adhesives).

Liner	Target	Unit	Method
Basis weight	55 ± 3	g/m ²	ISO 536
Thickness	49 ± 4	μ	ISO 534

Description: This supercalendered glassine is perfectly suited for assignment in labelling machines equipped with optical or mechanical scanners.

Application and use

Suitable for printing variable information on food packaging. The thermal paper grade material is physiologically and toxicologically safe and may therefore be used in printers and scales for the marking of goods. However, they may only stand in direct contact with foodstuffs for a short time, which are washed and/or peeled before consumption. (ISEGA Research and Development Institute, Aschaffenburg).

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 plasticisers (e.g. flexible polyvinyl chloride). Printing speeds of up to 250 mm/s are possible in thermal direct printing.

Converting and Printing

Good quality of imprint when solvent-free inks and varnishes are applied. The inks should be suitable for printing thermal papers, consulting with ink supplier is recommended.

Packaging

The rolls are slit according to customer requirements. They are delivered on pallets or in cartons. Product description labels are fixed on rolls.

Shelf Life and Storage Conditions

2 years when stored away from direct sunlight and heat, in a dark, dry place at a temperature of 20 °C ± 5 °C with a relative humidity of 45%, ± 5%.

Ref: THERMAL ECO 100% RECYCLED/ PERM ACRYLIC Date: 02/23

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