

THERMAL ECO OPAQUE-A1110-HG65

FACE MATERIAL

A white Non-Topcoated, BPA free thermal paper with grey colour backside. Standard sensitivity and is characterized by good resistance, archivability and printability. The image is black.

Typical technical values

Basis Weight	72	g/m ²	ISO 536
Caliper	80	μ	ISO 534
Tensile strength MD	min. 4,7	kN/m	ISO 1924/2
Tensile strength CD	min. 2,2	kN/m	ISO 1924/2
Smoothness (Bekk)	min. 200	sec	ISO 5627
Imaging colour	black		

ADHESIVE

General-purpose strong water-based acrylic adhesive.

Typical technical values

Initial Tack (on glass)	12 N	FINAT FTM 9
Adhesion 180° (on glass)	Paper tear (PT)	FINAT FTM 1
Application temperature min.	+5 °C	
Service temperature	-40 °C - +70 °C	

BACKING

Yellow, wood-free transparent glassine backing paper. One side siliconised.

Typical technical values

Basis Weight	57	g/m ²	ISO 536
Caliper	49	μ	ISO 534
Tensile strength MD	≥5,0	kN/m	ISO 1924
Tensile strength CD	≥2,6	kN/m	ISO 1924

Adhesive performance

This adhesive is characterized by high initial tack and excellent adhesion on a wide variety of dry surfaces including cardboard and corrugated cardboards. It shows excellent adhesion on slightly chilled surfaces. The composition, temperature and contamination of the surface can affect the adhesion so preliminary tests are recommended.

Application and usage

This thermal-sensitive product is design for thermal printing systems at printing speeds up to 250 mm per second. Typical applications for this product include barcode labels printed on in-store-price-weigh equipment as well as industrial applications like labels used during warehousing, logistics and addressing. Avoid using this product on plasticizers (PVC) and keep it away from greasy surfaces.

Printability

The product can be converted by all conventional roll conversion technologies. However, due to its thermo-graphic properties, exposure to heat above 50°C may cause discoloration. Inks containing alcohol or organic solvents may also cause the discoloration of the thermal-sensitive coating. For the flexographic printing process, UV or water based inks and varnishes to be used before conversion.

Shelf life

2 years

Storage conditions

23+/-2°C, 50+/-5% RH

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