

# ENDURO THERMAL 185 METAL DETECTABLE

matt 7038, 185 g/m<sup>2</sup>

Metal-detectable, tear-resistant thermal paper. Ideal for tear-resistant tags in the textile sector, in industry and logistics and for robust admission tickets. With high strength thanks to dimensionally stable and thermostable polyester film core.

ENDURO Thermal 185 Metal detectable is a very hard-wearing composite material consisting of a 32 µm PET film core, a thermal paper with topcoat on the front and a satinised, extra-smooth uncoated paper surface on the reverse. The three-layer product structure is very robust, tear-resistant, waterproof and can be cut, punched, perforated and folded perfectly. The thermal paper has very good resistance to light, temperature, climate, water, oil/grease and plasticisers.

The thermosensitive paper surface impresses in direct thermal printing with good printing results and standard sensitivity. Both sides can be printed on perfectly using flexographic printing and UV offset.

Thanks to the multi-layer product structure, ENDURO offers an inexpensive and ecologically sustainable alternative to synthetic papers in many cases. It is PVC- and phenol-free and FSC®-certified.

## Advantages

- Metal detectable
- High tear resistance
- High product stability and resilience
- Waterproof
- Optimised for direct thermal printing
- FSC® certified
- PVC free



Das Zeichen für verantwortungsvolle Waldwirtschaft

## General tips

For quality reasons, ENDURO Thermal should be stored in its original packaging. The material should be used up within 12 months, semi-finished and intermediate materials, pre-printed or partially printed materials should be finished or finished within 4 weeks.

For storage and finishing we recommend a room climate of 23 ± 5°C and 50 ± 10% relative humidity. Direct light and sunlight as well as exposure to aggressive chemicals should be avoided.

## Technologies



## Properties

- Fade resistant
- Temperature resistant
- Climate proof
- Water-resistant / Waterfast
- Oil- or grease-resistant
- Plasticizer resistant
- Metal detectable

### Physical data

Name	Value	Tolerance	Norm
Weight [g/m <sup>2</sup> ]	185	±12	ISO 536
Thickness (total) [μm]	180	±12	ISO 534
Smoothness (Bekk) [s]	>300		ISO 5627
ISO Brightness [%]	>80		ISO 2470-1
Bending stiffness MD [mN]	>500		ISO 2493-1; 15°/10mm
Bending stiffness CD [mN]	>200		ISO 2493-1; 15°/10mm
Tensile strength MD [N/15mm]	>180		ISO 1924-3/2/300
Tensile strength CD [N/15mm]	>80		ISO 1924-3/2/300
Opacity [%]	>98		ISO 2471