

ENDURO MD SHIELD THERMAL 185

matt 7038, 185 g/m²

ENDURO MD SHIELD THERMAL 185 is a thermal direct printable robust tear-resistant paper-based product with an aluminum core. It will be detected in metal-detectors.

It is used as a loop-lock tag or hang tags in the food processing and textile industry.

ENDURO MD SHIELD THERMAL 185 can be cut, punched, perforated, drilled, folded, glued and bound without issue.

Its high-quality paper surface offers optimized feed properties and printing results. Both sides can be printed with all common standard inks and coatings in offset and flexo printing.

The thermal coating is with standard sensitivity. It is top coated, resistant against external influences.

It is PVC-free and FSC®-certified. An affordable and sustainable alternative to synthetic products.

Advantages

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



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/m²]	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