

HANG TAGS

ENDURO THERMAL 205 G

matt 7015, 205 g/m²

Tear-resistant thermal paper. Ideal for tear-resistant hang tags and loop-lock tags in textiles, industry and logistics and robust entrance tickets. Increased strength thanks to dimensionally stable and thermostable polyester film core.

ENDURO Thermal 205 G is a hard-wearing composite material consisting of a 36 µm PET film core, a thermal paper with a topcoat on the front and a satin-finished, extra-smooth natural paper surface on the reverse side. The three-layer product structure is robust, resistant to edge tearing and water impermeable. It can be cut, punched, perforated and folded without issue. The thermal paper has a very good resistance to light, temperature, climate, water, oil / grease and plasticisers.

The thermosensitive paper surface offers good printing results and standard sensitivity in direct thermal printing. Both sides can be printed perfectly in flexo and UV offset printing.

Thanks to the multi-layer product structure ENDURO offers an affordable, eco-friendly and sustainable alternative to fully synthetic media. It is PVC and phenol free and FSC®-certified

Advantages

- Increased tear resistance
- High product stability and rigidity
- Water impermeable
- Optimised for direct thermal printing



General tips

For quality reasons ENDURO Thermal should be stored originally packed and be used within 12 months. Storage & converting conditions of 23±5°C and 50±10% relative humidity are recommended. Exposure to strong artificial light or direct sunlight and any contact with aggressive chemicals should be avoided.

Physical data

Name	Value	Tolerance	Norm
Weight [g/m ²]	205	±15	ISO 536
Thickness (total) [µm]	175	±15	ISO 534
Smoothness (Bekk) [s]	> 500		ISO 5627
ISO Brightness [%]	> 80		ISO 2470-1
Bending stiffness MD [mN]	> 600		ISO 2493-1; 15°/10mm
Bending stiffness CD [mN]	> 275		ISO 2493-1; 15°/10mm
Tensile strength MD [N/15mm]	> 220		ISO 1924-3/2/300
Tensile strength CD [N/15mm]	> 130		ISO 1924-3/2/300
Opacity [%]	> 95		ISO 2471

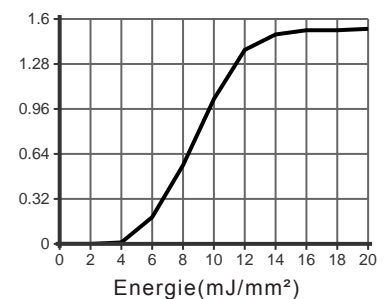
Technologies



Properties

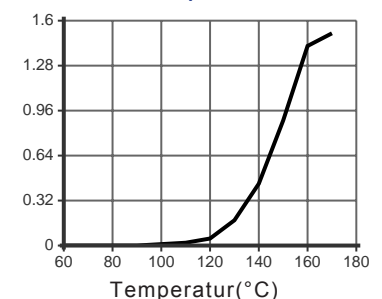
- Oil- or grease-resistant
- Plasticizer resistant
- Water-resistant / Waterfast
- Fade resistant
- Temperature resistant
- Climate proof

Dyn.Development Curve



Atlantek Model400 - Shil Test Method

Stat.Development Curve



Sumet Statik Tester - Sihl Test Method

Sensitivity curves are for general reference only.

Stability

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

++ very good +good
0 Standard - not suitable

Durability

Durability of the thermal printing: At least 12 years with appropriate storage. Detailed information can be found under the download "ENDURO Thermal – Handling and storage".

Printing instructions

We always recommend comprehensive testing of materials prior to regular usage. For detailed information please refer to the download "ENDURO Thermal – printing recommendations".