



## HANG TAGS

# ENDURO THERMAL 205 PRO

matt 7029, 195 g/m<sup>2</sup>

Tear-resistant thermal paper. Ideal for tear-resistant hang tags and mailbag tags. Increased strength thanks to dimensionally stable and thermostable polyester film core.

ENDURO Thermal 205 pro is a hard-wearing composite material consisting of a 50 µm PET film core, a thermal paper on the front and a natural uncoated 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 good resistance to light and standard resistance to temperature, climate, water and oil / grease.

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.

ENDURO Thermal 205 pro contains the SVHC candidate Bisphenol-A in amounts above 0.1 % mass.

Thanks to the multi-layer product structure ENDURO offers an affordable, eco-friendly and sustainable alternative to fully synthetic media. It is PVC-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 <sup>2</sup> ]   | 195   | ±8        | ISO 536              |
| Thickness (total) [µm]       | 190   | ±10       | ISO 534              |
| Smoothness (Bekk) [s]        | >200  |           | ISO 5627             |
| ISO Brightness [%]           | >75   |           | ISO 2470-1           |
| Bending stiffness MD [mN]    | >500  |           | ISO 2493-1; 15°/10mm |
| Bending stiffness CD [mN]    | >300  |           | 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 [%]                  | >94   |           | ISO 2471             |

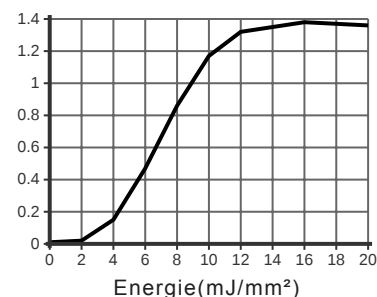
## Technologies



## Properties

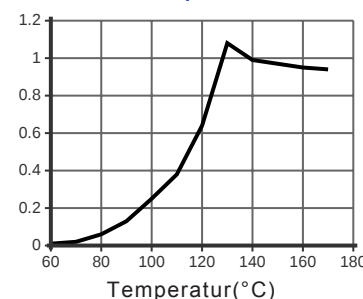
- Fade resistant
- Temperature resistant
- Climate proof
- Water-resistant / Waterfast
- Oil- or grease-resistant
- Plasticizer resistant

## Dyn.Development Curve



Atlantek Model400 - Sihl Test Method

## Stat.Development Curve



Sumet Statik Tester - Sihl Test Method

Sensitivity curves are for general reference only.

## Stability

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

++ very good    +good  
0 Standard    - not suitable

## Durability

Durability of the thermal printing: At least 7 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".