



ENDURO PREMIUM 155 MATT

matt 6989, 160 g/m²

Tear-resistant paper. Ideal for tear-resistant hang tags, loop-lock tags, durable brochures and graphic applications in challenging full-colour printing. Increased strength thanks to dimensionally stable and thermostable polyester film core.

ENDURO Premium 155 matt is a hard-wearing composite material consisting of a 36 µm PET film core and white, matt-coated paper surfaces. The three-layer product structure is robust, resistant to edge tearing and water impermeable. It can be cut, punched, perforated, drilled, embossed, scored, folded, glued and bound without issue.

The matt-coated paper surfaces offer optimized feed properties and outstanding printing results and can be printed with all common standard inks and varnishes in offset and flexo printing. Suitable for thermal transfer printing, for laser printing and printing on HP Indigo sheet-fed printing systems. With excellent colour rendering, high print contrast and good barcode readability, as well as perfect drying and ink/toner adhesion.

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 fold strength
- Water impermeable
- Thermostable
- Excellent printability
- FSC®-certified
- PVC-free



Technologies



General tips

For quality reasons ENDURO should be stored originally packed. Storage & converting conditions of 20±5°C and 50±10% rel. humidity are recommended.

Food contact

Please inform us whenever intended use is linked to food contact.

It may be possible to provide a Declaration of Compliance confirming material suitability for your specific application.

Waste disposal

ENDURO Premium 155 matt has been awarded a certificate by the Cyclos-HTP Institute. According to this certificate, the majority of the paper fibres (60% of the total composite) can be recovered in the paper recycling process. The film is separated and can be used for thermal energy recovery. When sorted using near-infrared sensors (NIR), however, this product is not identified as paper.

Therefore, it should be targeted for paper recycling as commercial waste. It is classified as "Mixed waste paper, grade 5.01" according to EN 643.

Smaller quantities can be disposed of together with household waste.

As conversion (i.e. printing) may significantly change the characteristics of a product, these recycling recommendations may only apply to ENDURO material before processing.

Physical data

Name	Value	Tolerance	Norm
Weight [g/m ²]	160	±12	ISO 536
Thickness (total) [µm]	135	±12	ISO 534
Bending stiffness MD [mN]	> 280		ISO 2493-1; 15°/10mm
Bending stiffness CD [mN]	> 100		ISO 2493-1; 15°/10mm
Tensile strength MD [N/15mm]	> 140		ISO 1924-3/2/300
Tensile strength CD [N/15mm]	> 80		ISO 1924-3/2/300
ISO Brightness, front side [%]	> 85		ISO 2470-1
ISO Brightness, reverse side [%]	> 85		ISO 2470-1
Whiteness, CIE, D65/10°, front side	> 110		ISO 11475
Whiteness, CIE, D65/10°, reverse side	> 110		ISO 11475
Opacity [%]	> 93		ISO 2471
Smoothness (Bekk), front side [s]	> 250		ISO 5627
Smoothness (Bekk), reverse side [s]	> 250		ISO 5627

Durability

Originally packed under recommended storage conditions ENDURO rolls and sheets can be stored for at least 3 years.

Printing instructions

Detailed recommendations for printing and processing of ENDURO can be found under [Download](#).