



GLATFELTER

Glassine Echo[®]

Opak





ECHO[®] Glassine Papers

Glatfelter Ober-Schmitten GmbH

ECHO[®] Glassine Papers

- 100% cellulose fiber from sustainable forestry resources
- Exclusively made of virgin fibers
- Transparent and grease-resistant (achieved by mechanical treatment)
- Offering highest density
- Available as FSC[®] (FSC[®] C041025) and / or PEFC (PEFC/04-31-2118) certified products

Advantages

- Taste and smell neutrality
- Permeable surface structure
- Recyclability

Features / Converting / Value Addition

- Paper substances from 25 g/m² up to 95 g/m²
- Two paper machines with a maximum trim of 1,500 mm and 1,700 mm
- Environmentally friendly bleached (ECF / TCF) / unbleached
- Opaque / colored
- Bobbins from 20 mm up to 1,700 mm
- Sheets from 100 x 100 mm up to 700 x 1,000 mm
- Plain or embossed with various patterns
- Wax surface treatment (Slip Easy)
- Printability: flexo, digital, offset and gravure printing

Certifications

- Glatfelter Ober-Schmitten GmbH is certified according to ISO 9001, ISO 14001, ISO 22000 and ISO 50001.
- Kosher
- Halal

Food contact certification (generally applicable for our ECHO[®] products)

- European regulation EU1935/2004
- Recommendation XXXVI of the German BfR

For a specific compliance requirement please refer to our sales team.

ECHO[®] Opak

opaque glazed Glassine

100% bleached cellulose pulp	Standards	Tolerances
Substance	ISO 536	± 6 %
Thickness	ISO 534	± 6 %
Absolute residual moisture content	ISO 287	6,0 ... 8,0 %
PH-value	ISO 6588	6,0 ... 8,0

g/m ²	Thickness µm	Opacity > %	Tensile strength MD ≥ N/15mm
		ISO 2471	ISO 1924
35	27	40	35
40	31	45	37
50	38	50	42
60	46	55	45

Miscellaneous

Tolerances:

Roll widths	Tolerances
= 10 mm	+/- 0,2 mm
> 11 mm ... ≤ 20 mm	+/- 0,3 mm
> 20 mm ... ≤ 50 mm	+/- 0,4 mm
> 50 mm ... ≤ 100 mm	+/- 0,5 mm
> 100 mm ... ≤ 200 mm	+/- 1,0 mm
> 200 mm ... ≤ 400 mm	+/- 1,5 mm
> 400 mm ... ≤ 700 mm	+/- 2,0 mm
> 700 mm ... ≤ 1200 mm	+/- 2,5 mm
> 1200 mm	+/- 3,0 mm

For sheet products applies:
DIN EN 644

Transport, Handling and Storage Recommendation

- dry and hygienic storage (avoidance of strong odors)
- protection against humidity and moisture
- transport only in closed, hygienic and clean trucks or containers (no air condition)
- secure cargo from shifting
- temperature accommodation prior to converting essential to protect the Glassine from condensing humidity
- sheets - especially embossed - should not get piled

We can recommend a storage period of 12 months from the date of supply under the following conditions:

- storage in original packaging
- temperature: 10°C - 30°C
- indoor climate: 50 ± 10% humidity
- protection from thermal fluctuation, direct sunlight and damage

Beyond one-year storage we recommend to measure all relevant paper properties prior to processing.

**Contact**

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