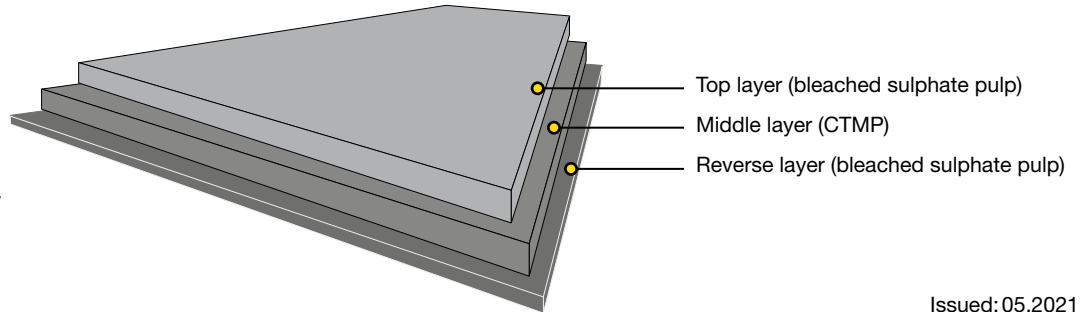


Natura is a bleached liquid packaging board with a three-layer fibre construction, with two outer layers made of bleached sulphate pulp and a middle layer made of CTMP (chemi-thermomechanical pulp).



Issued: 05.2021
Cancels: 04.2019

Technical specification from Imatra BM4; New Natura (KP500)

| Property / Unit | | | | | Standards |
|-------------------------------------|------|------|------|------|------------|
| Grammage, g/m ² | 233 | 257 | 273 | 350 | ISO 536 |
| Thickness, µm | 402 | 450 | 465 | 570 | ISO 534 |
| Density, kg/m ³ | 580 | 571 | 587 | 614 | |
| Bending resistance (L&W 15°) MD, mN | 415 | 580 | 635 | 1080 | ISO 2493 |
| Bending resistance (L&W 15°) CD, mN | 162 | 223 | 242 | 410 | |
| Bending resistance (L&W 15°) GM, mN | 260 | 360 | 392 | 665 | |
| Bending moment (Taber 15°) MD, mNm | 20.0 | 28.0 | 30.7 | 52.2 | |
| Bending moment (Taber 15°) CD, mNm | 7.8 | 10.8 | 11.7 | 19.8 | |
| Bending moment (Taber 15°) GM, mNm | 12.6 | 17.4 | 18.9 | 32.1 | |
| Moisture, % | 6.2 | 6.2 | 6.2 | 6.5 | ISO 287 |
| Brightness (D65/10°), %, Top | 79 | 79 | 79 | 79 | ISO 2470 |
| Roughness (Bendtsen), ml/min, Top | 350 | 350 | 350 | 400 | ISO 8791-2 |
| Packaging size suggestion, ml | <500 | 1000 | 1000 | 2000 | |



Natura™ Board

Bleached liquid packaging board

Certificates

- Quality management ISO 9001
- Environmental management ISO 14001
- Product safety FSSC 22000
- Occupational health and safety ISO 45001
- Energy management ISO 50001



FSC and PEFC certified board available upon request.



Paperboard is recyclable

Key characteristics and main enduses

Natura offers the best in product protection, in printing, converting and filling performance, and in economy and sustainability. Like all Stora Enso liquid packaging board qualities, it has an exceptionally high standard of odour and taint neutrality, which makes it especially suitable for packaging sensitive food products and keeping them fresh and hygienic, unchanged and untainted for their entire lifetime. When combined with an appropriate barrier, the product range serves a wide array of packaging applications, such as milk, juice, soups, spices, water and yoghurt, as well as various high-volume non-food products, such as liquid detergents and fabric softeners.

Storage recommendations

For optimal printing results, the moisture proof wrapping should not be removed until the board has reached the temperature of the press room.

| Pallet/Reel Weight (kg) | Difference in temperature between board and press room (press room temp, approx. 20°C) | | |
|-------------------------|--|--------|--------|
| | 10°C | 20°C | 30°C |
| 400 kg | 2 days | 2 days | 3 days |
| 800 kg | 2 days | 3 days | 4 days |
| 1200 kg | 2 days | 4 days | 5 days |

The product properties, according to the specifications, are guaranteed for 12 months after the production date. In order to ensure product safety, the product must be well wrapped and stored indoors, sheltered from rain and snow. The recommended storage conditions are 50-55% relative humidity and 20-23°C.