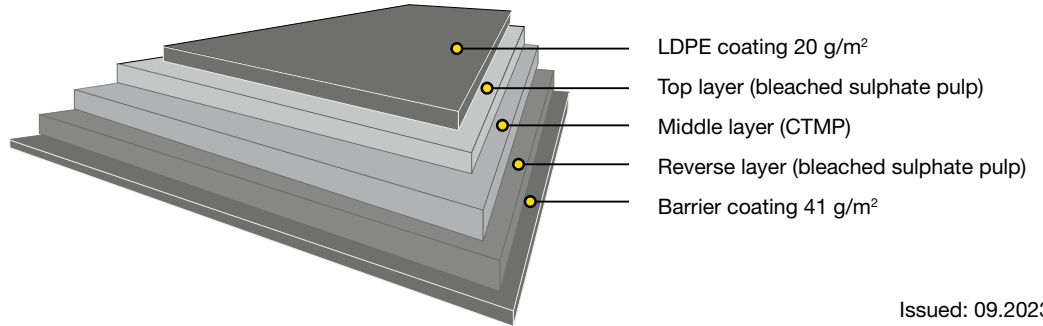


Bleached liquid packaging board

Natura Barr 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). It has a LDPE coating on the top side and a multilayer high-barrier coating on the reverse side.



Issued: 09.2023
Cancels: 07.2023

Technical specification from Imatra BM4; New Natura Barr EB41 (PE581)

Property / Unit	20+220+47EB41	20+233+47EB41	20+257+47EB41	20+273+47EB41	20+288+47EB41	20+350+47EB41	Standards
Polymer coated board:							
Grammage, g/m ²	281	294	318	334	349	411	ISO 536
LDPE top side, g/m ²	20	20	20	20	20	20	Mill method
Barrier reverse side, g/m ²	41	41	41	41	41	41	
Thickness, µm	425	455	505	517	555	616	ISO 534
Baseboard:							
Grammage, g/m ²	223	233	257	273	288	350	ISO 536
Thickness, µm	370	402	450	465	505	570	ISO 534
Density, kg/m ³	603	580	571	587	570	614	
Bending resistance L&W 15° MD, mN	317	415	580	635	760	1080	ISO 2493
Bending resistance L&W 15° CD, mN	120	162	223	242	303	410	
Bending resistance L&W GM, mN	195	260	360	392	480	665	
Bending moment Taber 15° MD, mNm	15.3	20.0	28.0	30.7	36.7	52.2	
Bending moment Taber 15° CD, mNm	5.8	7.8	10.8	11.7	14.6	19.8	
Bending moment Taber GM, mNm	9.4	12.6	17.4	18.9	23.2	32.1	
Moisture, %	6.5	6.5	6.5	6.5	6.5	6.5	ISO 287
Brightness D65/10°, %, Top	78	78	78	78	78	79	ISO 2470
Surface Smoothness, Bendtsen, ml/min, Top	350	350	350	350	350	400	ISO 8791-2
Packaging size suggestion, ml	<500	<500	1000	1000	1500	2000	

All properties according to Imatra Mills measurements from board machine production.
Laboratory test climate 23°C/50% RH (according to ISO 187).
Tolerances based upon 95% confidence limits, apply to delivered reel/pallet average.
Bending moment Taber 15° and Bending resistance L&W 15° are binding.
Bending moment Taber 15° calculated from Bending resistance L&W 15°.



Natura™ Barr

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 can be recycled

Key characteristics and main enduses

Natura Barr 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. The product range serves a wide array of packaging applications: 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.

For the Corona treatment, we recommend using the board within 12 months of the production date; after this period, the treatment level should be tested before printing.