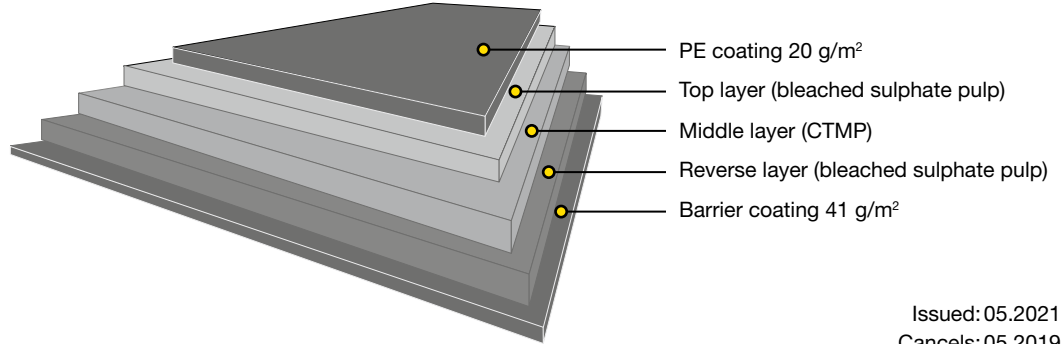


## Bleached liquid packaging board

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 PE coating on the top side and a multilayer high-barrier coating on the reverse side.



Issued: 05.2021  
Cancels: 05.2019

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

Property / Unit	20+233+47EB41	20+257+47EB41	20+273+47EB41	20+350+47EB41	Standards
<b>Polymer coated board:</b>					
Grammage, g/m <sup>2</sup>	294	318	334	411	ISO 536
PE Topside, g/m <sup>2</sup>	20	20	20	20	Mill method
Barrier Reverse, g/m <sup>2</sup>	41	41	41	41	
Thickness, µm	455	505	517	616	ISO 534
<b>Baseboard:</b>					
Grammage, g/m <sup>2</sup>	233	257	273	350	ISO 536
Thickness, µm	402	450	465	570	ISO 534
Density, kg/m <sup>3</sup>	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 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 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
Surface Smoothness, Bendtsen, ml/min, Top	350	350	350	400	ISO 8791-2
Packaging size suggestion, ml	<500	1000	1000	2000	

## 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 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.