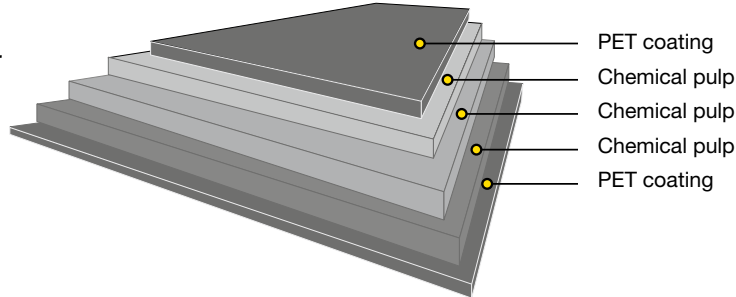




Ensocard Resilience™

Polymer coated tear resistant board

Ensocard Resilience is a bleached SBS (solid bleached sulphate) board with a three-layer fibre construction. The board has a PET coating on both sides for high tear resistance.



Issued: 02.2024
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Technical specification

Property/ Unit	50+283+50	Standard
Polymer coated board:		
Grammage, g/m ²	383	ISO 536
PET topside, g/m ²	50	Mill method
PET reverse, g/m ²	50	
Thickness, µm	460	ISO 534
Baseboard:		
Grammage, g/m ²	283	ISO 536
Thickness, µm	380	ISO 534
Bending resistance L&W 15° MD, mN	380	ISO 2493-1
Bending resistance L&W 15° CD, mN	150	
Moisture, %	7.5	ISO 287
Brightness D65/10°, %, Top	85	ISO 2470-2
Surface Smoothness, Bendtsen, ml/min, Top	350	ISO 8791-2
Stretch CD, %	6.0	ISO 1924-3
OBA free		

All properties according to Imatra Mill 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 resistance L&W 15° are binding.



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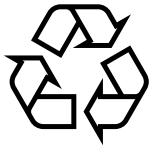
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Certificates

- Quality management ISO 9001
- Environmental management ISO 14001
- Product safety FSC 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

Ensocard Resilience is a tear-resistant board for special applications such as child-resistant pharmaceuticals packaging. The PET-coated board offers excellent print results and is heat sealable, enabling innovative package types and structures that require high tear resistance.

Printing and finishing techniques

The product can be used with different printing techniques such as offset and flexo. Dry or liquid toner technology can be used, although in some cases, pretreatment of the substrate might be required. The latest certification status can be verified on the press manufacturer's website or with local Stora Enso representatives. It is important to check the limitations of the equipment, particularly because of the exceptional difference in the thickness and stiffness of board compared with paper in the same grammages. When running thicker substrates, the press manufacturer's recommendations should be referred to for optimal grain direction. Essentially all of the same finishing processes apply to both digitally printed and offset printed work. Since a wide variety of digital printing equipment is available in the market, it is important that a new commercial print job is always preceded by a trial run, including all required printing and converting process phases.

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.