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OptiPack Ream Wrap Barrier

for sustainable and cost-efficient ream wrapping

OptiPack Barrier is a innovative plastic-free barrier functionality is applied online already on the paper machine. This makes the ream wrapper paper immediately ready for printing, cutting and use. You can better leverage higher volumes and reduce intermediate transportation between the mill and converter.

Providing medium grease resistance and water vapor barrier the ream wrap barrier is clean and safe to use. It contains no fluorochemicals or optical brightener additives.

OptiPack Ream Wrap Barrier benefits the entire demand chain

- NO PLASTIC, NO ADDITIONAL RECYCLING FEES
- AVAILABLE IN FSC® MIX CREDIT AND PEFC™ CERTIFIED LESS PRODUCTION STEPS, SMALLER OVERALL CARBON FOOTPRINT
- EXCELLENT PRINT PERFORMANCE AND COLOUR REPRODUCTION
- High strength and stiffness keeps copy papers well-protected and stable during demanding conditions
- An excellent marketing opportunity: plastic-free wrapper complements your sustainability offering
- Mono-material that can be recycled with normal paper waste without extra treatment
- Made from renewable, responsibly sourced virgin wood fibres
- Biodegradable and compostable (EN13432)

OptiPack Product safety profile

SAFETY INFORMATION

No known health or environmental hazards. The products aren't classified hazardous according to Global Harmonized System (GHS). In case of fire: Water or powder can be used for extinguishing.

PRODUCT SAFETY MANAGEMENT

- Certified quality management system ISO 9001
- Certified environmental management system ISO 14001
- Certified food safety management system FSSC 22000

DECLARATION

The paper grade(s) listed in this declaration are tested for suitability for food contact and their compliance with food contact regulations is confirmed by an independent laboratory, VTT Expert Services Ltd., Finland. On respect of their chemical and organoleptic properties these grades are suitable for contact with dry and non-fatty foods as well as moist and fatty foods at temperatures up 90 °C.

The paper grade(s) comply with the relevant requirements of Regulation 1935/2004 and Law concerning revisions of the foodstuffs and animal feed legislation of updated version 2681 January 2016, § 30 and 31, Germany. The paper grade(s) have been manufactured in accordance with Commission Regulation (EC) No 2023/2006 in Good Manufacturing Practice and with ISO 22000 management standard.

The paper grades are made of primary fibres and additives approved according to:

- The German recommendation XXXVI of Bundesinstitute für Risikobewertung (BfR)
- USA regulations of FDA, 21 CFR, parts 170— 189

In addition to food contact, the paper grade(s) are suitable to be used in toy and packaging applications.

The paper grade(s) comply with regulations:

- EN 71 -3:2013 Safety of Toys. Migration of certain elements
- EN 71 -9:2013 Safety of Toys. Organic chemical compounds
- ASTM F963-96a Standard Consumer Safety Specification on Toy Safety (USA)
- EC 94/62 directive on packaging and packaging waste and its amendments
- CONEG, Toxics in packaging legislation, USA

STATEMENT

The products are tested for suitability for food contact and compliance with food contact regulations in Europe and in USA. The products are suitable for use in toys and in connection with electronical devices. The products are manufactured to be compliant with packaging material and packaging waste requirements.

Paper

The paper used for this product is produced from 100% virgin unbleached fibres with the additional of small amounts of generally recognized chemicals.

The paper is allowed to come in contact with dry, moist and greasy foodstuffs.

Due to information from our suppliers all paper chemicals comply with:

USA: FDA. CFR, Title 21, (2018) Part 176:170 and 176:180 Paper and Paperboard Components in contact with food types categories I to IX of table 1 under conditions of use A to F of table 2 in Title 21 CFR parts 176.170 (c)

Germany: BfR-Empfehlungen (2017) A XXXVI, Papiere, Kartons und Pappen für den Lebensmittelkontakt.

Ink

Regulation (EC) No 1935/2004 requires that material and articles which, in their finished state, are intended to be brought into contact with foodstuffs or which are brought into contact with foodstuffs, must not transfer any components to the packed foodstuff in quantities which could endanger human health, or bring about an unacceptable change on the composition or deterioration in organoleptic properties. This means that the manufacturer of the finished article and the filler have the legal responsibility that the food packaging is fit for its intended purpose.

TECHNICAL DETAILS

PRINTING METHOD	Flexo
FINISH	Softcalendered
END USE	Ream wrappers Biscuits and other food wrapping areas Bread and pastry bags
FURNISH	Chemical pulp

CERTIFICATES AND LABELS

ISO 9001 | ISO 14001 | FSC 22000 |FSC Chain-of-Custody

Product: Food Approval Statement| BfR Food Certificate| FDA Food Certificate|94/62 EC Heavy Metal Certificate | EN 71/3:1988 D Safety of Toys | EN13432 |1935/2004/EC

OptiPack Ream Wrap Barrier 90 g/m²

Technical target values		
Basis Weight (ISO 536) (g/m ²)	90.0	Tear Strength CD (mN) 700.0
Thickness (ISO 534) (µm)	87.0	Roughness Bendtsen CS (ml/min) 30.0
Moisture %	5.4	Roughness Bendtsen BS (ml/min) 75.0
Tensile Strength MD (kN/m)	8.5	Brightness D65 (ISO 2470-2) (%) 80.0
Tensile Strength CD (kN/m)	4.0	Opacity ISO (2471) (%) 88.0
Tear Strength MD (mN)	600.0	Grease resistance KIT top 6.0
		WVTR (RH 50%) g/m ² /d 30.0

Please note: Technical values are informative and subject to production variations.