



PRODUCT SPECIFICATION

Customer	
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Product Description	Sorba Freeze Flexiroll, chilled packaging solution
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Product Code	939
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Material Composition

Polyester base spun bonded fabric: Weight g/m2 40 +/- 4, Thickness (mm) 0.28+/-0.04.

Super absorbent Polymer for the food packaging industry, salt cross linked polyacrylic acid in granular form, density 500-700 g/l, Ph 5.5 +/- 0.5. Moisture content 4 +/- 2 %.

Film made of PET-MO/PE, Gauge 52+/- 10% um, Tensile strength >30 N/15mm, Seal strength >18N/15mm.

Barrier Properties

All components of the pack conform to Specific migration limits and or maximum permitted quantity of the “residual” substances as laid down by the EU 10/2011 materials in contact with food.

The Overall Migration Limit (OML) of 10 mg/dm² or rather 60 mg/kg foodstuff and the Specific Migration Limit (SML) as well as the maximum allowed residual contents (QM) are kept to the following conditions of use (Ratio food contact surface to volume = 6 [dm²/kg]):

Application conditions	Time	Temperature	Comment
hot fill	15 mins	100 °C	For T between 70 °C and 100 °C: maximum of $t = 120/2^{((T-70)/10)}$ minutes
storage	2 yrs	25 °C	Any long term storage at room temperature or below

The material can be used in contact with the following food categories:

- all food types (EU)

List of possible substances with Overall Migration Limit (OML), Specific Migration Limit (SML) or maximum permitted quantity of the ‘residual’ substances (QM):

Substance	CAS No.	FCM No.	SML / QM
1-OCTENE	0000111-66-0	264	SML 15 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
2,4-TOLUENE DIISOCYANATE	0000584-84-9	354	QM 1 mg/kg DL 0.01 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
2,6-TOLUENE DIISOCYANATE	0000091-08-7	167	QM 1 mg/kg DL 0.01 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
ACETIC ACID, MANGANESE SALT	0002180-18-9	115	SML 0.6 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
ANTIMONY TRIOXIDE	0001309-64-4	398	SML 0.04 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
Diethyleneglycol	0000111-46-6	263	SML 30 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
ETHYLENE OXIDE	0000075-21-8	129	QM 1 mg/kg DL 0.01 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
Ethyleneglycol	0000107-21-1	227	SML 30 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
HEXAFLUOROPROPYLENE	0000116-15-4	282	DL 0.01 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
ISOPHTHALIC ACID	0000121-91-5	291	SML 5 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
MELAMINE	0000108-78-1	239	SML 2.5 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
OCTADECYL 3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL) PROPIONATE	0002082-79-3	433	SML 6 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
PROPYLENE OXIDE	0000075-56-9	135	QM 1 mg/kg DL 0.01 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
TEREPHTHALIC ACID	0000100-21-0	785	SML 7.5 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
VINYLENIDE FLUORIDE	0000075-38-7	132	SML 5 mg/kg Regulation (EU) No 10/2011 amended up to (EU) No 2017/752
Zinc acetate, dihydrate	0005970-45-6	115	SML 5 mg/kg Regulation (EU) No 10/2011

List of possible components, which are registered as food additives („Dual-Use-Additives”):

Substance	FCM No.	CAS No.	E number
CALCIUM CARBONATE	21	0000471-34-1	E 170
PHOSPHORIC ACID	509	0007664-38-2	E 338
SILICON DIOXIDE	504	0007631-86-9	E 551
TALC	615	0014807-96-6	E 553 b
ZINC ACETATE	115	0000557-34-6	E 650

This declaration is valid for the supplied product including the conditions of use as described above. Suitability tests beyond the requirements from the technical guidelines for testing as mentioned above including other conditions of use are in the responsibility of the user.

Product Characteristics

Sheet /Roll Dimensions: 285mm x 268mm Sheet.

Capacity: 40g per cell of absorbent.

Cell Size: N/A.

Total Hydrated Weight: 600kg

Product Not made from Recycled Material.

Recommended Storage Conditions

Temperature: Not greater than 50°C

Relative Humidity: 40-60%

Storage Area: Dry

Product Packaging	
Sheets/Cells Per outer	800 sheets
Packaging Outer Weight:	13Kg (Minimum)
Outer Packaging Dimensions:	795 x 325 x 350 (High)
Pallet Dimensions (mm)	1200 x 1000 mm x 1800 (high)
Pallet Weight	Dependent on volume
Outer Pack Label:	Box Number & Production Date

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Food Contact Statement

All Flexiroll and sheets are fit for food contact Sorba Freeze limited hold statements and certificates confirming this. All materials used in the manufacture of our products conform to the following:

The Plastic Materials and Articles in Contact with Food (Scotland) Regulations 2010

The Plastic Materials and Articles in Contact with Food (Scotland) Amendment Regulations 2011

The Plastic Materials and Articles in Contact with Food (England) Regulations 2010

The Plastic Materials and Articles in Contact with Food (England) Amendment Regulations 2011

Specification Approval

Signature on Behalf of Sorba

Date:

Signature of Customer Acceptance

Date

Position

Please note if we do not get a response within 10 working days from sending this specification.

We will take this as your approval of this specification.