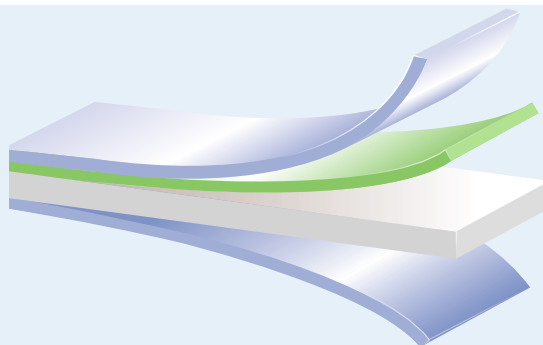


Propacast™ KB

Technical Data Sheet

KB - Transparent polypropylene cast (CPP) film with sealable layers, with good tear and puncture resistance



- Treated Heat Sealable Layer
- Functional Interlayer
- Transparent Core
- Non Treated Heat Sealable Layer

Features

- One side corona treated (outer side of the reel)
- Excellent sealability
- Perfect mechanical and optical properties
- High tear and puncture resistance
- Low water vapour and odour permeability
- Available version of film: summer and winter

Applications

- Special packaging material for bread
- Flexographic and rotogravure printing
- Foodstuff products packaging on high-speed packaging machines
- Steam sterilisation*

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	KB									
				20	25	30	35	40	45	50	55	60	
Thickness	ISO 4593		micron	20	25	30	35	40	45	50	55	60	
Yield Unit weight	ISO 536		m ² /kg g/m ²	55.56 18.00	44.44 22.50	37.04 27.00	31.75 31.50	27.78 36.00	24.69 40.50	22.22 45.00	20.20 49.50	18.52 54.00	
Density	ISO 845		g/cm ³	0.90									
Haze (wide angle)	ASTM D 1003	2.5°	%	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9	
Gloss	ASTM D 2457	45°	GU	97									
Coefficient of friction (inner/inner)	ISO 8295	Dynamic		0.20									
Corona treatment	ISO 8296		mN/m (dyne)	36									
Tensile Strength	ISO 527-1,-3		N/mm ²	MD 70 35	75 35	75 35	75 35	75 40	75 40	75 40	75 40	75 40	
Elongation at break	ISO 527-1,-3		%	MD 650 800	700 870	700 870	770 900	820 930	820 930	850 960	850 960	850 960	
Heat seal strength (inner/inner)	Innovia Films test	1"; 150N; 130°C	N/15mm	4.0	5.0	5.0	5.5	7.0	7.0	8.0	8.0	8.0	
Sealing range**	Innovia Films test	1"; 150N; 130°C	°C	120-150									

* Conditions of sterilization: maximum time 2.5h / temperature maximum 140°C or time maximum 3h / temperature maximum 130°C.

**The selection of sealing temperatures depends on the characteristic of heat sealing bars and packaging process speed.

Other thicknesses are available on request.

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.

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Technical Data Sheet

Reel Specifications

Nominal Reel Diameters

Film	Outside Diameter 570mm (metres) - core 76mm	Outside Diameter 570mm (metres) - core 152mm	Outside Diameter 770mm (metres) - core 152mm
KB 20	10800	10500	21300
KB 25	8600	8400	17000
KB 30	7200	7000	14200
KB 35	6100	5950	12100
KB 40	5400	5300	10700
KB 45	4800	4600	9400
KB 50	4300	4200	8500
KB 55	3900	3800	7700
KB 60	3600	3500	7100

ns= non standard.

Other reel lengths are available subject to negotiation.

Reel Labelling

Different films have various special surfaces; these are indicated on the reel labels.

Film Storage and Handling

Recommended processing conditions: 15-35°C, humidity below 75% RH. Before processing it is recommended to season the film in the processing conditions at temperature 20°C for a minimum of 24 hours.

In case of transporting or storing the film:

- below +15°C or above +35°C seasoning time should be extended to 48 hours;
- below + 5°C or above +40°C seasoning time should be extended to 72 hours.

Compliance with the above guarantees correct film processing.

Food Contact

Propacast™ KB complies with the applicable EU legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propacast™ KB in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in non-EU countries are also available upon request.

Health & Safety Guidelines

For Health & Safety information, please refer to Innovia Poland's Quality documents.

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