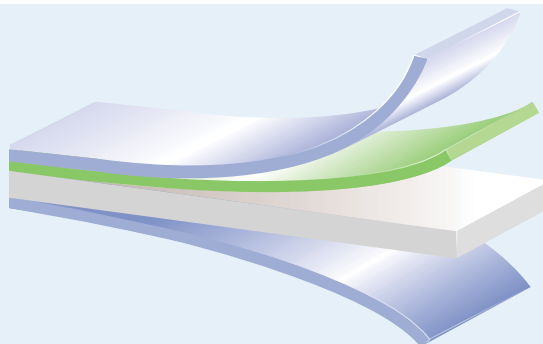


Propacast™ KD

Technical Data Sheet

KD - Transparent polypropylene cast (CPP) film with sealable layers, with increased resistance to tear and puncture, for freezing



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

Features

- One side corona treated (outer side of the reel)
- Very good sealability
- Very good mechanical and optical properties
- Very good tear and puncture resistance
- Very good low temperatures resistance (max -25°C)
- Low water vapour and odour permeability

Applications

- Special film for storage of frozen products
- Flexographic and rotogravure printing
- Foodstuff products packaging on high-speed packaging machines
- Steam sterilisation*

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	KD			
Thickness	ISO 4593		micron	24-25	27-30	38-40	50
Yield Unit weight	ISO 536		m ² /kg g/m ²	46.30-44.44 21.60-22.50	41.15-37.04 24.30-27.00	29.24-27.78 34.20-36.00	22.22 45.00
Density	ISO 845		g/cm ³	0.90			
Haze (wide angle)	ASTM D 1003	2.5°	%	3.0	3.0	3.3	3.3
Gloss	ASTM D 2457	45°	GU	97			
Coefficient of friction (outer/outer)	ISO 8295	Dynamic		0.25			
Corona treatment	ISO 8296		mN/m (dyne)	36			
Tensile Strength	ISO 527-1,-3		N/mm ²	MD 70 35	70 35	70 40	70 45
Elongation at break	ISO 527-1,-3		%	MD 800 900	850 950	900 1000	950 1000
Heat seal strength (inner/inner)	Innovia Films test	1"; 150N; 130°C	N/15mm	4.5	5.0	6.0	7.0
Sealing range**	Innovia Films test	1"; 150N; 130°C	°C	120-150			

* Conditions of sterilization: maximum time 3h, temperature max. 131°C (not applicable to autoclaves).

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

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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Reel Specifications

Nominal Reel Diameters

Film	Outside Diameter 570mm (metres) - core 76mm	Outside Diameter 570mm (metres) - core 152mm	Outside Diameter 770mm (metres) - core 152mm
KD 24-25	9000 - 8600	8700 - 8400	17700 - 17000
KD 27-30	8000 - 7200	7800 - 7000	15800 - 14200
KD 38-40	5700 - 5400	5500 - 5300	11200 - 10700
KD 50	4300	4200	8500

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™ KD 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™ KD 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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