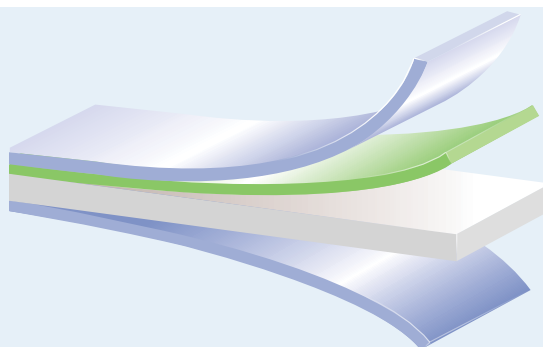


# Propacast™ KL

## Technical Data Sheet

**KL** - Transparent polypropylene cast (CPP) film with sealable layers



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

### Features

- One side corona treated (outer side of the reel)
- Very good sealability
- High flexibility
- Good slip and antiblock properties facilitate its processing on automatic packaging machines (on untreated side)
- Higher coefficient of friction on treated side

### Applications

- Flexographic and rotogravure printing
- Lamination
- Packaging material for foodstuff, fancy goods, etc.

### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	KL				
				20	25	27	30	38
Thickness	ISO 4593		micron	20	25	27	30	38
Yield Unit weight	ISO 536		m <sup>2</sup> /kg	55.56	44.44	41.15	37.04	29.24
			g/m <sup>2</sup>	18.00	22.50	24.30	27.00	34.20
Haze (wide angle)	ASTM D 1003	2.5°	%	2.5	2.5	2.5	2.7	2.7
Density	ISO 845		g/cm <sup>3</sup>	0.90				
Gloss	ASTM D 2457	45°	GU	100				
Coefficient of friction (inner/inner) (outer/outer)	ISO 8295	Dynamic		0.28				
				0.80				
Corona treatment	ISO 8296		mN/m (dyne)	36				
Tensile Strength	ISO 527-1,-3		N/mm <sup>2</sup>	60				
			MD TD	35				
Elongation at break	ISO 527-1,-3		%	640				
			MD TD	700	720	750	850	
Heat seal strength (outer/outer)	Innovia Films test	1"; 150N; 130°C	N/15mm	870	900	900	900	940
Sealing range*	Innovia Films test	1"; 150N; 130°C	°C	4.5	5.0	5.5	6.5	7.5
				120-150				

\*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
KL20	10800	10500	21300
KL25	8600	8400	17000
KL27	8000	7800	15800
KL30	7200	7000	14200
KL38	5700	5500	11200

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™ KL 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™ KL 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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