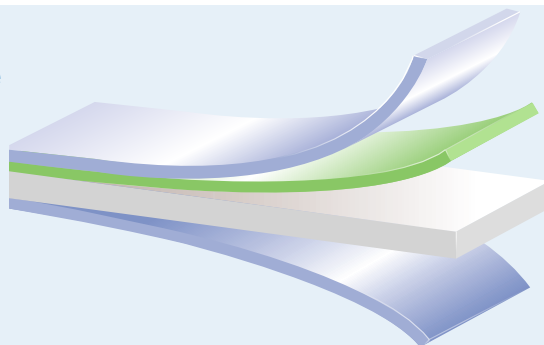


# Propacast™ KG

## Technical Data Sheet

**KG** - 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
- Low water vapour and odour permeability
- Good slip and antiblock properties facilitate its processing on automatic packaging machines

### Applications

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

### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	KG											
				20	25	30	35	40	45	50	55	60	70	90	
Thickness	ISO 4593		micron	20	25	30	35	40	45	50	55	60	70	90	
Yield Unit weight	ISO 536		m <sup>2</sup> /kg g/m <sup>2</sup>	55.56 18.00	44.44 22.50	37.04 27.00	32.41 31.50	27.78 36.00	25.00 40.50	22.22 45.00	20.37 49.50	18.52 54.00	15.87 63.00	12.35 81.00	
Density	ISO 845		g/cm <sup>3</sup>	0.90											
Haze (wide angle)	ASTM D 1003	2.5°	%	2.5											
Gloss	ASTM D 2457	45°	GU	97											
Coefficient of friction (inner/inner)	ISO 8295	Dynamic		0.25											
Corona treatment	ISO 8296		mN/m (dyne)	36											
Tensile Strength	ISO 527-1,-3		N/mm <sup>2</sup>	MD 30	50 30	50 30	50 35	50 35	50 35	50 35	50 40	50 40	50 40	50 40	50 40
Elongation at break	ISO 527-1,-3		%	MD 850	630 850	630 850	800 900	800 900	800 900	800 900	860 900	860 900	860 900	890 910	890 910
Heat seal strength (inner/inner)	Innovia Films test	1"; 150N; 130°C	N/15mm	5.0	5.0	7.0	7.0	7.0	7.0	7.0	11.0	11.0	11.0	16.0	16.0
Sealing range*	Innovia Films test	1"; 150N; 130°C	°C	120-150											

\*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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### Reel Specifications

#### Nominal Reel Diameters

Film	Outside Diameter 570mm (metres) - core 76mm	Outside Diameter 570mm (metres) - core 152mm	Outside Diameter 770mm (metres) - core 152mm
KG 20	10800	10500	21300
KG 25	8600	8400	17000
KG 30	7200	7000	14200
KG 35	6200	6000	12200
KG 40	5400	5300	10700
KG 45	4800	4700	9500
KG 50	4300	4200	8500
KG 55	3900	3800	7800
KG 60	3600	3500	7100
KG 70	3100	3000	6100
KG 90	2500	2400	4800

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™ KG 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™ KG 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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