

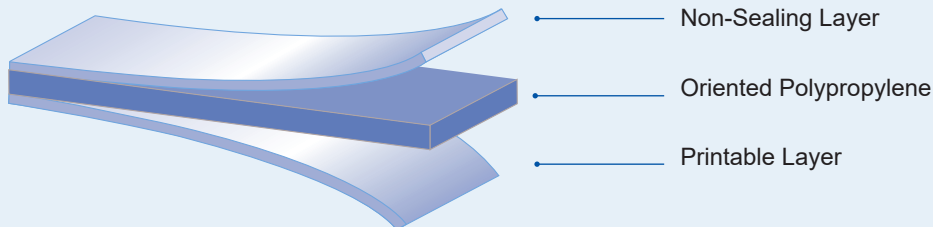
Propafilm™ CHS



Technical Data Sheet

CHS - Thermally Resistant, Low Shrink Film.

Biaxially oriented polypropylene (BOPP) film with one surface printable and the other surface non-sealing.



Features

- Improved thermal stability
- Reduced shrinkage
- High clarity and gloss
- Suitable for lamination applications
- Printable by Flexography and Gravure

Applications

- Lidding
- Lamination
- Pouches

Markets

- Pet Food
- Beverages
- Meat
- Confectionery

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	CHS	
Thickness	Innovia Films test		micron	25	30
			gauge	100	120
Yield	Innovia Films test		m ² /kg	44.2	36.8
			in ² /lb	31000	25800
			g/m ²	22.6	27.2
Water Vapour Barrier	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² 24 hrs	6.0	5.0
			g/100in ² 24 hrs	0.39	0.32
Optical: Gloss	ASTM D 2457	45°	units	100	
Haze (wide angle)	ASTM D 1003	2.5°	%	1.3	
Corona Treatment	Innovia Films test		dynes/cm	38	
Coefficient of friction (film to film)	ASTM D 1894	Static/ Dynamic		0.3-0.5	
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ²	MD	240
				TD	190
			lb/in ²	MD	34810
				TD	27560
Elongation at break	ASTM D 882	Strain rate 50% / min	%	MD	90
				TD	130
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ²	MD	2700
				TD	2300
			lb/in ²	MD	391602
				TD	333587
Shrinkage	Innovia Films test	60 secs at 130°C (265°F)	%	MD	2.0
				TD	0

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, (73 ± 4F, 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	Single Length (metres)	12x Length (metres)
CHS25	1500	18000
CHS/30	1250	15000



Film	Single Length (feet)	12x Length (feet)
CHS/100	4900	59050
CHS/120	4100	49200

Other reel lengths are available in multiples of the single length as per the core diameter listed below.

Outside Diameter	1x	2x	4x	6x	8x	12x
For 77mm / 3in core	240mm 9½in	330mm 13in	450mm 18in	-	-	-
For 153mm / 6in core	-	-	475mm 18¾in	570mm 22½in	650mm 25½in	785mm 31in

Corona Discharge Treatment

Corona discharge treatment is available on either the inner or outer surface of Propafilm™ CHS. The treated surface is indicated by a symbol on a label attached to each reel.

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage and Handling

No special conditions are required for the storage of Propafilm™ CHS but it is recommended that dry conditions at temperatures below 30°C (85°F) are employed to minimise any deterioration of surface discharge treatment level. Propafilm™ CHS is suitable for use for 6 months from the date of delivery and stocks should be used in rotation. Films should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

Propafilm™ CHS complies with the applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the food contact certificate. Customers intending to use Propafilm™ CHS in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in other countries are also available upon request.

Health & Safety Guidelines

For Health & Safety information, please refer to literature reference B190.

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