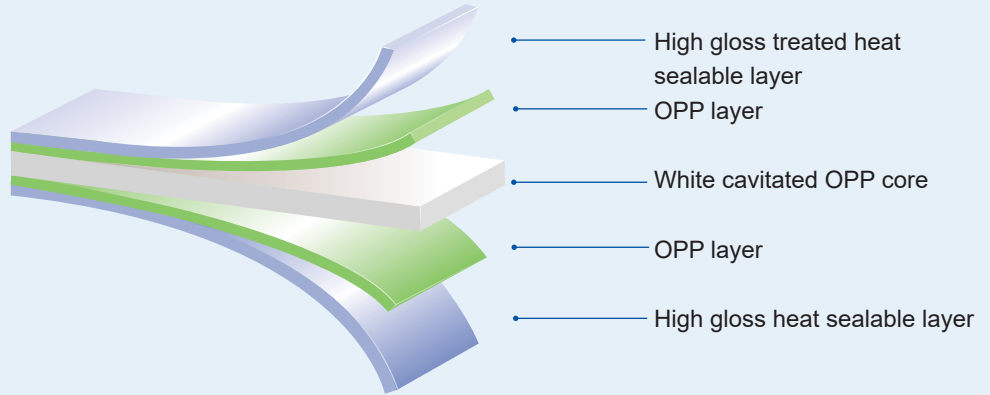


Propafilm™ QID

Technical Data Sheet

QID - White, high gloss, cavitated, multi-layer coextruded OPP film with a very wide heat seal range

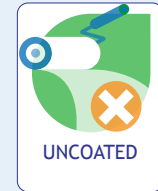


Features

- Very wide seal range (125°F / 70°C)
- Yield advantage of 39% over transparent and solid white films
- Very high puncture resistance
- Good moisture and odor barrier
- Very high gloss and opacity

Application

- Single web HFFS
- Ice cream novelties
- Confectionery
- Baked goods
- Extend life of machine and lower energy bills due to lower sealing temperatures



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	QID	
Thickness	Innovia test method		micron	45	
			gauge	170	
Yield	Innovia test method		in ² /lb	23,500	
			m ² /kg	33.3	
Basis Weight	Innovia test method		g/m ²	30.0	
			lbs/ream	18.4	
Nominal density	Innovia test method		g/cm ³	0.70	
Breaking load	Innovia test method		lbs/in	MD	21
				TD	47
Elongation a break	Innovia test method		%	MD	140
				TD	35
Gloss	Innovia test method		[45°]	55	
Opacity	Innovia test method		%	83	
Surface tension	ASTM D 2578	Print	mN/m (dyne)	36-39	
COF	ASTM D 1894	Treated to Treated		0.20	
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m ² /day	4.4	
			g/100in ² /day	0.28	
Heat seal range back		(min/max) (min/max)	°C	80-150	
			°F (min/max)	175-300	
Heat seal strength	Innovia test method	Back 185°F/14.5psi/0.5sec 85°C/10N/0.5sec	N/15mm	2.6	
			g/in	450	

MD Machine Direction TD Transverse Direction
 All properties are tested under standard laboratory conditions: 73 ± 4F, 50 ± 5% RH (23 ± 2°C, 50 ± 5% RH) unless otherwise stated. Where relevant, tests are based on international standards.
 This document is not a product specification and does not guarantee any specific product attributes. Any existing commercial rights or patents must be observed.
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Propafilm™ QID

Technical Data Sheet

Conversion

Treatment and Winding	Surface Printing
One surface treated for printing and/or laminating	Ink recommendations for all print processes are available
Treated surface wound to outside of roll	Printing and anti-static properties guaranteed for 6 months only
See roll tag about treatment specific to roll	Excellent web flatness permits higher speed printing
	Run appropriate trials prior to production
	Consult your ink supplier

Conversion Note -

Generally PVB or NC-based inks with adequate adhesion promoter are suitable for printing on the film. Drying temperatures should not exceed a web temperature of 170°F (76°C).

Where static electricity may be generated, use of static eliminators and maintaining a relative humidity >50% is recommended. Recommend laminating to Innovia Films' transparent films using solvent-based or solvent-less adhesives.

Note: In some situations, bump retreatment may be necessary to achieve optimal ink adhesion. The ASTM D 2578 standard test may not accurately predict the print performance of the film, showing lower than expected values. Printing should not be impaired.

Nominal Reel Diameters

Film	Length (metres)				
QID 45	875	1,750	5,250	10,500	15,750

Film	Length (feet)				
QID 170	2,871	5,741	17,224	34,449	51,673

Outside Diameter	1/2x	1x	3x	6x	9x
For 3in / 77mm core	9.5" (in) 241mm	13" (in) 330mm	-	-	-
For 6in / 153mm core	-	-	22.7" (in) 576mm	31.3" (in) 795mm	38.1" (in) 966mm

All rolls are wound to length. Actual OD may vary with thickness and winding density variations.

Film Storage and Handling

The films should be placed in the processing area 24 hours prior to processing, to acclimatise. The films are largely unaffected by climatic conditions but should not be stored at temperatures above 104°F (40°C). Under suitable storage conditions, the film can be stored for a period of 6 months without any risk of deterioration.

Food Contact

Propafilm™ QID is FDA approved for food contact. Please contact Technical Services for other Food Contact statements.

Health & Safety Guidelines

MSDS sheets, as well as other product safety documents, are available for our films upon request.

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