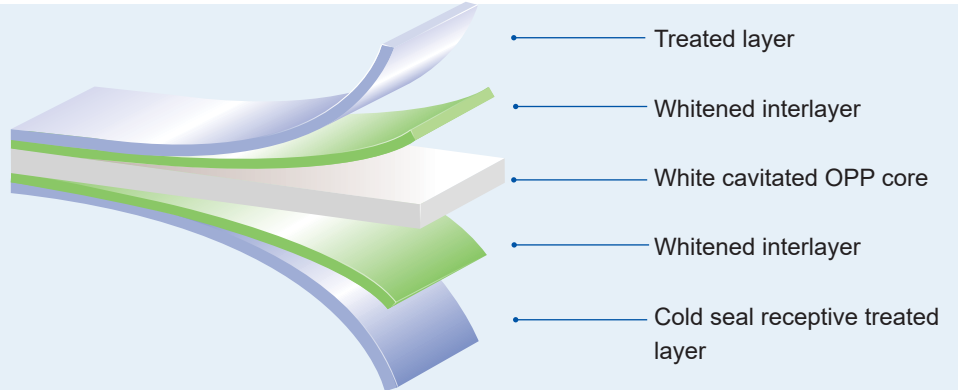


Propafilm™ QNH

Technical Data Sheet

QNH - White opaque, cavitated, coextruded OPP film



Features

- Very high yield
- Excellent cold seal adhesion
- Excellent bond strength for lamination
- Controlled CoF

Application

- Horizontal packaging in lamination form
- Pattern cold seal applications



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	QNH	
Thickness	Innovia test method		micron	25	
			gauge	100	
Yield	ASTM D 4321		in ² /lb	40,200	
			m ² /kg	57.1	
Basis Weight	ASTM D 4321		g/m	17.5	
			lbs/ream	10.8	
Nominal density	Innovia test method		g/cm ³	0.7	
Breaking load	Innovia test method		kpsi	MD	4.8
				TD	8.6
Elongation at break	Innovia test method		%	MD	150
				TD	50
Gloss	Innovia test method		[20°]	12	
Opacity	Innovia test method		%	75	
Whiteness	Innovia test method		% (Berger)	87	
Surface tension	ASTM D 2578	Back Print	mN/m (dyne)	36-39	
Coefficient of Friction	ASTM D 1894	(inside/inside)		0.4	

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.
 Propafilm™ QNH – 1 of 2 – 0819

Propafilm™ QNH

Technical Data Sheet

Conversion

Treatment and Winding	Surface Printing
Two surfaces treated for printing and/or laminating	Printing and anti-static properties guaranteed for 6 months only
Preferred laminating surface wound to outside of roll	Ink recommendations for all print processes are available
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. Excellent seal strength and anchorage with most cold seal adhesives. Results may vary so consult your coating supplier.

Nominal Reel Diameters

Film	Length (metres)			
QNH 25	3,000	9,000	18,000	27,000

Film	Length (metres)			
QNH 100	9,843	29,528	59,055	88,583

Outside Diameter	1x	3x	6x	9x
For 3in / 77mm core	13.0" (in) 330mm	-	-	-
For 6in / 153mm core	-	22.7" (in) 577mm	31.3" (in) 796mm	38.0" (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™ QNH 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.

Disclaimer: Innovia Films or any of its affiliated companies (hereinafter 'Innovia Films') declines any liability with respect to the use made by any third party of the information contained herein. The information contained herein represents Innovia Films' best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, the accuracy, the completeness or relevance of the data set out herein). Innovia Films is the sole owner or authorised user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted to the client's specific use. The client should perform his own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the client.

Propafilm™ QNH – 2 of 2 – 0819

Regional Offices:

Europe (UK) Tel +44 16973 42281

Americas (USA) Tel +1 800 424 6273

Asia-Pacific (Aus) Tel +61 3 9303 0600

www.innoviafilms.com

email: packaging@innoviafilms.com

™ Trademark of Innovia Films

