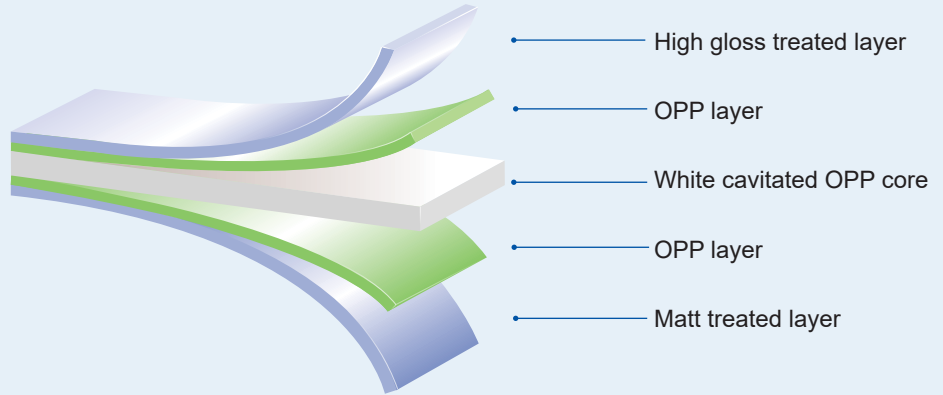


# RayoWrap™ LWH Plus

## Technical Data Sheet

**LWH Plus** - White opaque, high gloss, cavitated, coextruded OPP film

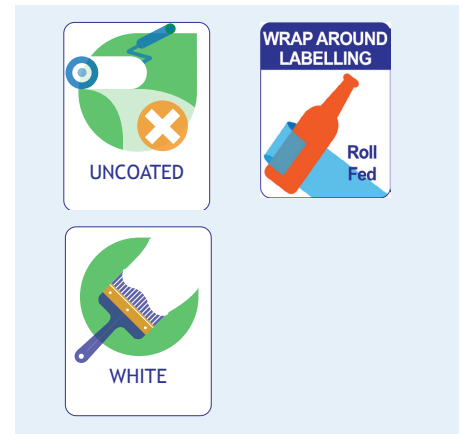


### Features

- Increased stiffness for improved performance
- Multi-layer structure eliminates powdering
- Very high yield
- High opacity
- Excellent ink and hot melt adhesion

### Application

- Monoweb or laminated roll-fed wrap-around labels
- Beverages
- Canned products
- Coffee
- Cleaning liquids



### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	LWH Plus
Thickness	Innovia test method		micron	38
			gauge	150
Yield	ASTM D 4321		in <sup>2</sup> /lb	29,900
			m <sup>2</sup> /kg	42.6
Basis Weight	ASTM D 4321		g/m <sup>2</sup>	23.5
			lbs/ream	14.4
Nominal density			g/m <sup>3</sup>	0.62
Opacity	Innovia test method		%	77
Whiteness	Innovia test method		% (Berger)	83
Gloss	Innovia test method		[20%]	60
Surface tension	ASTM D 2578	Back	mN/m (dyne)	35-37
		Print		36-39
Coefficient of Friction	ASTM D 1894	(inside/inside)		0.31
Breaking load	Innovia test method		lbs/in	19
				MD TD
Elongation at break	Innovia test method		%	120
				MD TD

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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# RayoWrap™ LWH Plus

## 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 printable 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, coating or adhesive supplier

#### Conversion Note -

This film is suitable for UV and conventional lithographic ink systems. Web and pile temperatures should not exceed a web temperature of 105°F (40°C).

Where static electricity may be generated, use of static eliminators and maintaining a relative humidity >50% is recommended.

### Nominal Reel Diameters

Film	Length (metres)			
LWH Plus 38	1,975	5,925	11,850	17,775

Film	Length (feet)			
LWH Plus 150	6,480	19,439	38,878	58,317

Outside Diameter	1x	3x	6x	9x
For 3in / 77mm core	13.0" (in) 330mm	-	-	-
For 6in / 153mm core	-	22.7" (in) 576mm	31.3" (in) 795mm	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

RayoWrap™ LWH Plus 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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