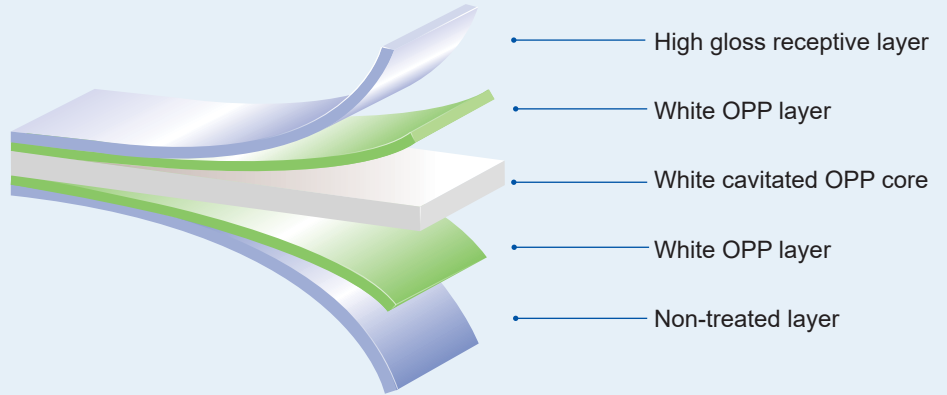


# RayoWrap™ LOD Plus

## Technical Data Sheet

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

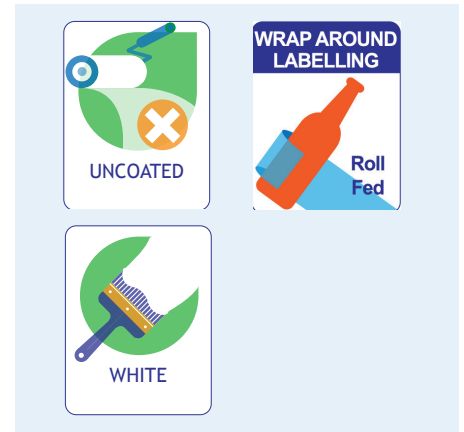


### Features

- Very high yield
- Excellent COF and anti-static consistency
- Excellent ink and hot melt adhesion
- Enhanced mechanical properties for improved performance on labeling equipment
- 5 layer construction eliminates powdering
- 7% higher yield than LWH 38+

### Application

- Monoweb roll-fed wrap-around labels
- Beverages, canned products, coffee, cleaning liquids



### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	LOD Plus
Thickness			micron	38
			gauge	150
Yield			in <sup>2</sup> /lb	32,000
			m <sup>2</sup> /kg	45.5
Basis Weight			g/m <sup>2</sup>	22.0
			lbs/ream	13.5
Opacity			%	79
Whiteness			% (Berger)	83
Gloss			[20%]	30
Surface tension		Back Print	mN/m (dyne)	36-39
Breaking load			g/in <sup>2</sup> MD	6,900
			TD	15,500
Elongation			% MD	140
			TD	40
COF		1 to 1		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.  
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## Technical Data Sheet

### Conversion

Treatment and Winding	Surface Printing
Surface treated for printing	Ink recommendations for all print processes are available
Printable surface wound to outside of roll	Printing & anti-static properties are guaranteed for 6 months only
Refer to roll tag for specific treatment on roll	Excellent web flatness permits higher speed printing
	Run appropriate trials prior to production
	Consult your ink 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. In sheet-fed applications, printing on matte side will affect the feed and de-stacking performance of the film.

### Nominal Reel Diameters

Film	Length (metres)				
LOD Plus 38	1,975	5,925	11,850	17,775	23,700

Film	Length (feet)				
LOD Plus 150	6,480	19,439	38,878	58,317	77,756

Outside Diameter	1x	3x	6x	9x	12x
For 3in / 77mm core	13" (in) 330mm	-	-	-	-
For 6in / 153mm core	-	22.7" (in) 576mm	31.3" (in) 795mm	38.0" (in) 966mm	43.8" (in) 1,113mm

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™ LOD 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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