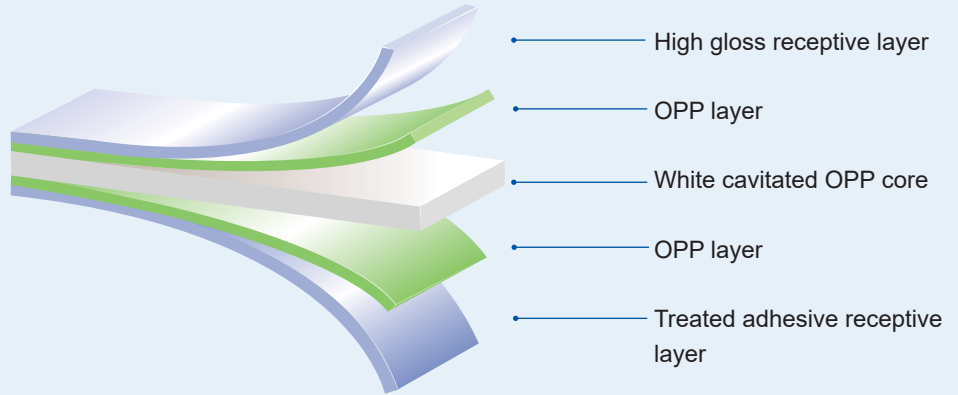


# Rayoface™ LQH

## Technical Data Sheet

**LQH** - White opaque, high gloss, cavitated, multi-layer, coextruded OPP film

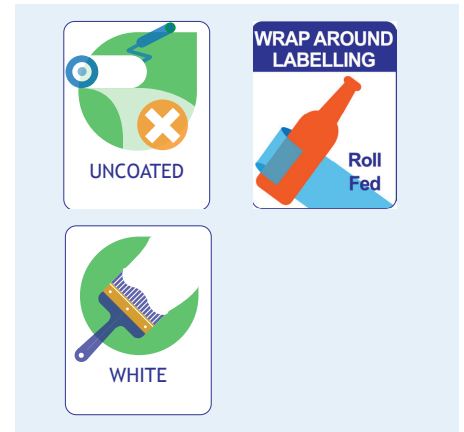


### Features

- Yield advantage over transparent or solid white lamination films
- Excellent UV and hot melt adhesive receptivity
- Enhanced mechanical properties for conversion and application
- Good opacity and whiteness

### Application

- Roll-fed wrap-around labels for beverages and canned goods
- Lamination film to be combined with transparent print web
- Pressure sensitive label applications



### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	LQH				
				25	30	40	50	
Thickness	ASTM D 4321		micron	25	30	40	50	
			gauge	100	120	160	200	
Yield	ASTM D 4321		in <sup>2</sup> /lb	40,200	34,500	26,100	20,700	
			m <sup>2</sup> /kg	57.1	49.1	37.0	29.4	
Basis Weight	ASTM D 4321		g/m <sup>2</sup>	17.5	20.4	27.0	34.0	
			lbs/ream	10.8	12.5	16.6	20.9	
Nominal density	Innovia test method		g/cm <sup>3</sup>	0.70	0.73	0.71	0.69	
Surface tension	ASTM D 2578	Print	mN/m (dyne)	>36	>36	>36	>36	
Breaking load	Innovia test method		N/15mm	MD	28	40	55	65
				TD	50	75	120	145
			lbs/in	MD	20	15	21	25
				TD	36	29	46	55
Elongation at break	Innovia test method		%	MD	150	150	150	150
				TD	50	40	40	40
Opacity	Innovia test method		%	87	78	84	86	
Whiteness	Innovia test method		% (Berger)	75	73	75	75	

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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 Rayoface™ LQH – 1 of 2 – 1019

# Rayoface™ LQH

## Technical Data Sheet

### Conversion

Treatment and Winding	Surface Printing
High treatment surface wound to outside of roll	Ink recommendations for all print processes are available
See roll tag about treatment specific to roll	Anti-static properties guaranteed for 6 months only
	Excellent web flatness permits higher speed printing
	Run appropriate trials prior to production

#### Conversion Note -

Web 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 anchorage with most hot melt adhesives. Please consult your supplier.

LQH can be laminated to transparent print webs and is suitable for solvent-based or solvent-less adhesives. Recommended Innovia Films transparent films are LLH and LLD.

### Nominal Reel Diameters

Film	Length (metres)			
LQH 25	3,000	9,000	18,000	27,000
LQH 30	2,680	8,040	16,080	24,120
LQH 40	1,975	5,925	11,850	17,775
LQH 50	1,540	4,620	9,240	13,680

Film	Length (feet)			
LQH 100	9,843	29,528	59,055	88,587
LQH 120	8,793	26,378	52,756	79,134
LQH 160	6,480	19,439	38,878	58,317
LQH 200	5,052	15,157	30,315	45,472

Outside Diameter	1x	3x	6x	9x
For 3in / 77mm core	13" (in) 330mm	-	-	-
For 6in / 153mm core	-	22.7" (in) 576mm	31.3" (in) 795mm	38.0" (in) 967mm

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

Rayoface™ LQH 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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Rayoface™ LQH – 2 of 2 – 1019

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