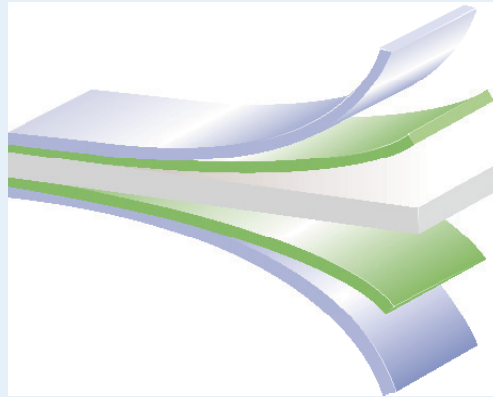


Rayoface™ LAD

Technical Data Sheet

LAD - Transparent, one-side treated, coextruded OPP film



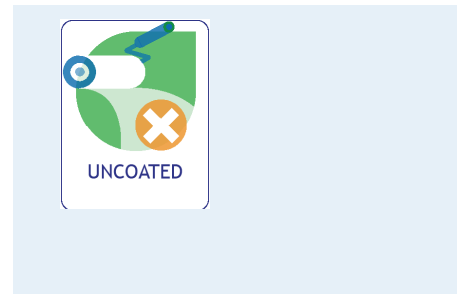
- High gloss treated layer
- Clear interlayer
- Transparent OPP core
- Clear interlayer
- Untreated gloss layer

Features

- High stiffness for label dispension
- Excellent web flatness for coating
- Excellent die cutting performance
- Coating receptive surfaces
- In-line treatable surfaces

Application

- Face stocks for hand-held and automatic label dispensing



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	LAD 40	LAD 50	
Thickness	ASTM D 4321		micron	40	49	
			gauge	157	193	
Yield	ASTM D 4321		in ² /lb	19,300	15,800	
			m ² /kg	27.5	22.4	
Basis Weight	ASTM D 4321		g/m ²	36.4	44.6	
			lbs/ream	22.4	27.4	
Nominal Density	Innovia test method		g/cm ³	0.91	0.91	
Tensile strength	Innovia test method		N/mm ²	MD	150	120
				TD	320	300
			kpsi	MD	21.7	17.4
				TD	46.3	43.5
Elongation at break	Innovia test method		%	MD	210	220
				TD	50	55
Surface tension	ASTM D 2578		mN/m (dyne)	36-39	36-39	
Gloss	Innovia test method		[20%]	100	100	
Haze	ASTM D 1003		%	2.0	2.0	
Stiffness (Gurley)				MD	11	15
				TD	23	27
Unsupported Dimensional Stability		248°F/120°C		MD	3	3
				TD	5	5

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™ LAD

Technical Data Sheet

Conversion

Treatment and Winding	Surface Printing
One-side treated	Treatment properties are guaranteed for 6 months only
Treated surface wound to outside of roll	Excellent web flatness permits higher speed printing
See roll tag for specific treatment on roll	Run appropriate trials prior to production
Untreated surfaces are treatable	Consult your ink, coating or adhesive supplier

Conversion Note -

During this conversion, web temperatures should not exceed 105°F (40°C). Where static electricity may be generated, use of static eliminations and maintaining a relative humidity >50% is recommended.

Nominal Reel Diameters

Film	Length (metres)			
LAD 40	9,525	-	19,050	-
LAD 50	-	9,525	-	19,050

Film	Length (feet)			
LAD 160	31,250	-	62,500	-
LAD 195	-	31,250	-	62,500

Outside Diameter	5x	6x	10x	12x
For 6in / 153mm core	28.7" (in) 729mm	31.3" (in) 795mm	40.0" (in) 1016mm	43.7" (in) 1111mm

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™ LAD 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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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: labels@innoviafilms.com

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