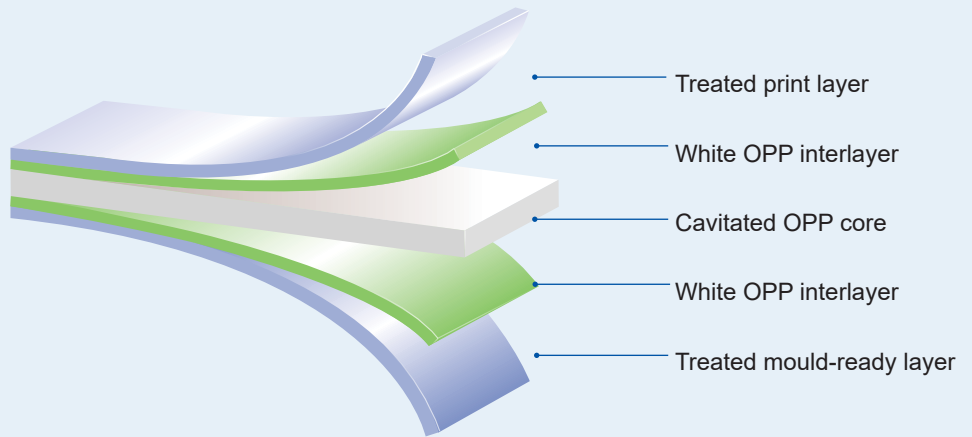


RayoForm™ EUP

Technical Data Sheet

EUP - White opaque, cavitated, two-side matte, multilayer, coextruded OPP film.



Features

- No distortion on critical IML containers
- “Soft touch” feel to IML containers
- Printable roll to sheet or roll to roll
- Superior UV Litho in adhesion
- Excellent die cutting and controlled static
- 5 layer construction
- Recyclable with polyolefin materials

Application

- Injection in-mold labels for PP or PE containers



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	EUP		
				50	60	70
Thickness	Internal method		micron	200	230	280
			gauge	50	60	70
Yield	Internal method		in ² /lb	25,600	21,300	18,300
			m ² /kg	36.4	30.3	26.0
Basis Weight	Internal method		g/m ²	27.5	33.0	38.5
			lb/ream	16.9	20.3	23.7
Nominal Density	Internal method		g/cm ³	0.55	0.55	
Opacity	Internal method		%	88		91
Whiteness	Internal method		% (Berger)	83		85
Surface Tension	ASTM D 2578	Back Print	mN/m (dyne)	35-37 36-40		35-37 36-40
Breaking Load	Internal method		g/in	8,630		9,495
			g/25mm	17,260		20,715
Elongation	Internal method		%	120		120
				30		30

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.

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RayoForm™ EUP

Technical Data Sheet

Conversion

Treatment and Winding	Surface Printing
Two surfaces treated for printing and/or laminating	Ink recommendations for all print processes are available
Preferred printable surface wound to outside of roll	Printing properties are guaranteed for 6 months only
	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)				
	EUP 50	1,500	3,900	7,800	13,500
EUP 60	1,250	3,750	7,500	11,250	15,000
EUP 70	1,075	3,225	6,450	9,675	12,900
Film	Length (feet)				
	EUP 200	4,921	12,795	25,591	44,291
EUP 230	4,101	12,303	24,606	36,909	49,213
EUP 280	3,526	10,581	21,161	31,742	42,323

Outside Diameter	1x	3x	6x	9x	12x
For 3in / 77mm core	13" (in) 331mm	-	-	-	-
For 6in / 153mm core	-	22.7" (in) 577mm	31.4" (in) 797mm	38.1" (in) 968mm	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

RayoForm™ EUP 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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