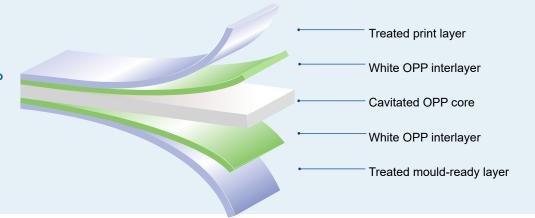
RayoForm™ EUP

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-mould labels for PP or PE containers



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	EUP
Thickness	Internal method		micron	60
Yield	Internal method		m²/kg	30.3
Basis Weight	Internal method		g/m²	33.0
Nominal Density	Internal method		g/cm³	0.55
Opacity	Internal method		%	88
Whiteness	Internal method		% (Berger)	83
Surface Tension	ASTM D 2578	Back Print	mN/m (dyne)	35-37 36-40
Breaking Load	Internal method		g/in MD g/25mm TD	8,630 17,260
Elongation	Internal method		% MD TD	120 30

^{*50} and 70 micron films are available from our Mexican plant only.

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions:23 \pm 2°C, 50 \pm 5% RH unless otherwise stated.

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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 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 60	7,300	11,250	15,000

Outside Diameter	6x	9x	12x
For 3in / 77mm core	-	-	-
For 6in / 153mm core	770mm	960mm	1,100mm

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 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 complies with the applicable EU legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use RayoForm™ EUP in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in non-EU countries are also available upon request.

Health & Safety Guidelines

MSDS sheets, as well as other product safety documents, are available for our films upon request.

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