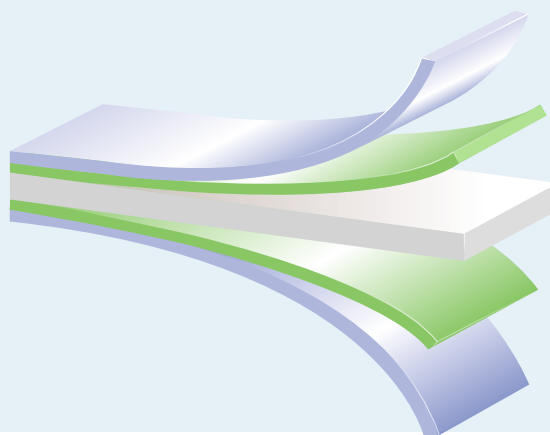


RayoForm™ EUP

Technical Data Sheet

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



- Treated print layer
- White OPP interlayer
- Cavitated OPP core
- White OPP interlayer
- Treated mould-ready layer

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		m ² /kg	30.3
Basis Weight	Internal method		g/m ²	33.0
Nominal Density	Internal method		g/cm ³	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 ± 2°C, 50 ± 5% RH unless otherwise stated.

RayoForm™ EUP60 – 1 of 2 – 0721 - EU

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 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.

Disclaimer: Innovia Films or any of its affiliated companies (hereinafter 'Innovia Films') declines any liability with respect to the use made by any third party of the information contained herein. The information contained herein represents Innovia Films' best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, the accuracy, the completeness or relevance of the data set out herein). Innovia Films is the sole owner or authorised user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted to the client's specific use. The client should perform his own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the client.

RayoForm™ EUP60 – 2 of 2 – 0721 - EU

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
™ Trademark of Innovia Films

