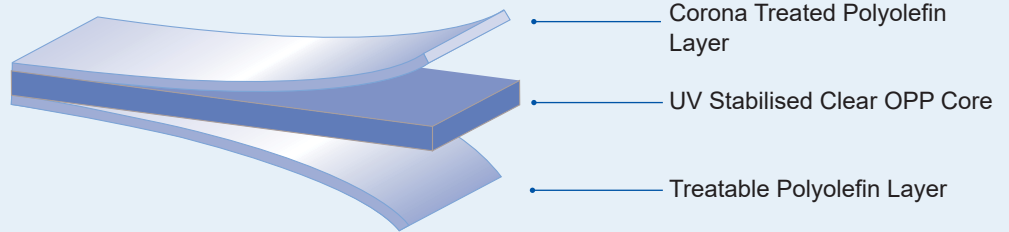


Rayoart™ CG

Technical Data Sheet

CG - Clear, High Gloss, Biaxially Oriented Polypropylene Film with Enhanced UV Stability, for Graphic Art or Label Applications.

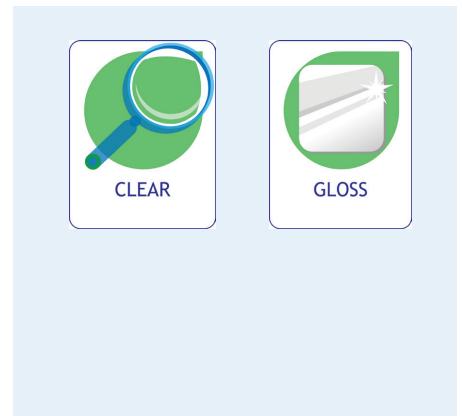


Features

- UV stabilised for outdoor applications
- High clarity, giving excellent definition in window graphic applications
- Extremely easy to apply and remove at low and high temperatures
- High resistance to tearing during handling
- High stability during adhesive lamination and printing processes
- Balanced biaxial orientation for superior die cutting of decals and stickers
- Recyclable with polyolefin materials

Printability

Rayoart™ CG can be printed by traditional flexographic, gravure, silkscreen and letterpress processes. However, exact ink systems should be recommended by your supplier. Additional corona treatment is recommended for optimum performance.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	CG		
Thickness	Innovia Films test		micron	58	90	
			gauge	230	360	
Yield	Innovia Films test		m ² /kg	18.9	12.3	
			in ² /lb	13300	8600	
			g/m ²	52.9	81.3	
Optical: Gloss Haze (wide angle)	ASTM D 2457 ASTM D 1003	45° 2.5°	%	85	85	
				<2	<3.0	
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD	200	190
				TD	180	170
			kpsi	MD	29.0	27.5
				TD	26.1	24.6
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD	105	130
				TD	120	140
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10%/min	MN/m ²	MD	2400	2000
				TD	2200	1900
			kpsi	MD	345	290
				TD	319	276
Dimensional stability	Innovia Films test	70°C (158°F)/10min	%	MD	0.3	
				TD	-0.4	
Surface tension (corona treated surface)			Dyne/cm	>38		
UV resistance	ASTM G53	122°F	hours	>1000		

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, (73 ± 4°F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.

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use our imagination...

Rayoart™ CG

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Conversion

The balanced stiffness and strength of Rayoart™ CG allows high speed conversion during adhesive lamination and printing. The same feature provides excellent die cutting performance, enhancing film edge appearance and prolonging die life.

Reel Specifications

Nominal Reel Diameters

Film	Core Size/(mm)	Approx Outside Dia/(mm)	Length/(metres)
CG58	77	450	1600
	153	864	6000
CG90	77	450	1600
	153	864	6000

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
CG230	6	34.6	30500
CG360	3	17.7	5600
	6	37.9	19700

Corona treatment is available on either the inner or outer surface of Rayoart™ CG.

Film Storage and Handling

Care should be taken to protect reels of film from storage temperatures above 30°C (86°F) and localised sources of heat above 45°C (113°F). The reels should remain in the protective coverings supplied until ready for use on converting machinery. Converted reels, in both master and slit reel form should be similarly protected at all times. Rayoart™ CG is suitable for use for 6 months from the date of delivery and stocks should be used in rotation. Films should be allowed to reach operating room temperatures for 24 hours before use. For specific enquiries, please refer to our graphic arts market development department.

Food Contact

Rayoart™ CG complies with the applicable EU and US legislation for most applications involved firest contact with food. Details are given on Declaration of Compliance. Customers intending to use Rayoart™ CG in food contact application should request a copy of this document from Innovia Films.

Health & Safety Guidelines

For Health & Safety information, please refer to literature reference L190.

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