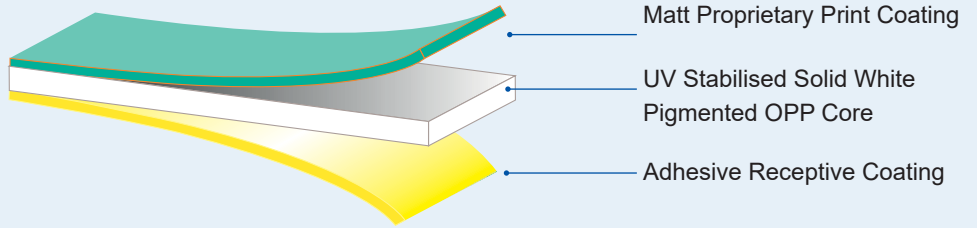


Rayoart™ WGSMatt

Technical Data Sheet

WGSMatt - White, Matt, Two Side Coated, Biaxially Oriented Polypropylene Film with Enhanced UV Stability, for Graphic Art or Label Applications.

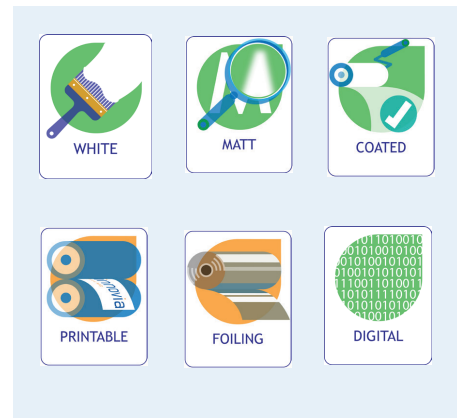


Features

- Highly Printable matt coating
- UV stabilised for outdoor applications
- High opacity
- Extremely easy to apply and remove at low and high temperatures
- High resistance to tearing during handling
- Excellent printability
- Reverse side coating gives enhanced adhesive anchorage
- High stability during adhesive lamination and printing processes
- Balanced biaxial orientation for superior die cutting of decals and stickers
- Recyclable with polyolefin materials
- Excellent hot/cold moisture resistance
- Excellent whiteness

Printability

Rayoart™ WGSMatt has a proprietary top coating which gives outstanding printing performance. Rayoart™ WGSMatt can be printed by a wide variety of printing processes including UV inkjet, HP latex inkjet, offset, screen, letterpress and flexography. The top coat on Rayoart™ WGSMatt gives outstanding print adhesion and colour reproduction.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	WGSMatt	
Thickness	Innovia Films test		micron	60	
			gauge	230	
Yield	Innovia Films test		m ² /kg	16.6	
			in ² /lb	11650	
			g/m ²	60.2	
Optical: Gloss Opacity	ASTM 2457 Innovia Films test	85°	units	<30	
			%	80	
Tensile Strength	ASTM D 882	Strain rate 50% / min	MN/m ²	MD TD	175 155
			kpsi	MD TD	25.4 22.5
			%	MD	85
				TD	110
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ²	MD TD	2400 2100
			kpsi	MD TD	348 304
			%	MD	0.4
				TD	-0.3
Dimensional stability	Innovia Films test	70°C (158°F)/10min	%	MD TD	0.4 -0.3
UV resistance	ASTM G53	50°C (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 ± 4F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.
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Rayoart™ WGSMatt

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Conversion

The balanced stiffness and strength of Rayoart™ WGSMatt 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)
WGSMatt60	153	877	9300

Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
WGSMatt230	6	34.5	30500

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™ WGSMatt 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.

Food Contact

Rayoart™ WGSMatt does not comply with either EU or US legislation for direct contact with food. For specific enquires please contact our Technical Services Department.

Health & Safety Guidelines

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

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