



ONYX FLUTE

CORRUGATED TWIN WALL POLYPROPYLENE

Product Overview

Onyx Flute is a corrugated twin wall polypropylene sheeting designed for signage, displays, packaging, protection of surfaces and many other industrial applications.

It combines lightweight with high strength, durability and impact resistance. It is also nontoxic, UV stabilised as well as water and chemical resistant, making it weatherproof for any environment.

Furthermore, Onyx Flute is food grade approved.

Key Features

- Highly durable, reusable, economical
- Surface is suitable for UV or screen printing
- Light weight
- Highly resistant to impacts and abrasions
- Quick and easy to install
- Can be cut, scored, folded or die-cut giving you the ability to create a variety of shapes
- Approved for food packaging
- Water and moisture resistant

Applications

- Digital printing
- Screen printing
- Signage
- Displays
- PoS/PoP signs
- Construction & safety signage
- Promotional campaigns
- Column panelling
- Go-to product for real estate & road side signage
- Interior/exterior applications
- Packaging
- Industrial applications



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Product Specifications

Thickness (mm)		3.3	5
Sheet Sizes (mm)	1830 x 1220	◆	◆
	2440 x 1220	◆	◆
Sheet Weight (g/m ²)		550	900
Base material	100% polypropylene co-polymer		
Outdoor durability	Up to 24 months. However, the life span will be dependent on environmental factors such as; rain, wind, sunlight, temperature, altitude and even pollution. The extreme exposure to any of the aforementioned will heavily reduce the performance of the product		
Service temperature (°C)	-20 to +90 ±3		
Ink compatibility	Conventional Screen Printing UV Curable Screen Printing UV Curable Flatbed Digital Printing*		
Density specific gravity (g/cm ³)	1.0-1.2		
Tensile strength yield (kg/cm ²)	260		
Flexural modulus (kg/cm ²)	11,000		
Elongation break (%)	200		
Stress yield (kg/cm ²)	200		
Water absorption (%)	0.03		
Notched izod impact (kg-cm/cm)	8 (-20°C)		
Notched izod impact (kg-cm/cm)	75 (23°C)		
Heat distortion temp. (°C)	100°C		
Rockwell hardness	80 R Scale		
Surface tension (dyne level)	48 dyne/cm (min.)		

* It is recommended that a test print is performed prior to printing to confirm compatibility with specific printers and inks used.

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Rev 14.11.18

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