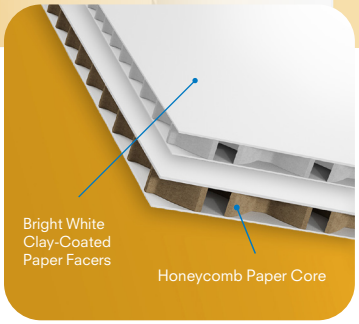
NEW

POLAR™

Print Optimized Light And Recyclable paperboard designed for sustainable printing campaigns

3A COMPOSITES

Impressive Printability, 100% Recylability



Introducing the new, all-paper display board, specially manufactured with a honeycomb core structure for a very rigid, flat board and high-quality, clay-coated paper facers that allow for excellent direct print results. The specialty facers provide a smooth, bright white surface that prevent any read-through lines found in competitive corrugated products. Available in 1/2" and white or natural core, POLAR is ideal for a wide variety of medium term display applications.

PRODUCT BENEFITS

- Optimized for direct digital printing - coated papers provide high quality print performance
- Specialty paper prevents "read-through" from the core
- Same printing specifications used as FOME-COR®
- Can be direct printed - 2-sided
- Light weight, rigid & dimensionally stable
- Flexible facers allow for V-routing and bending for 3D displays
- Easy to cut with manual or CNC cutters
- Available with a white or natural paper core



APPLICATIONS

- Short to Medium Term Displays
- High Impact Graphics
- POP/POS Displays
- Interior Signage
- Free-standing Displays
- Hanging Signage
- Promotional Campaigns
- Tradeshows & Exhibits
- Dimensional Displays

FABRICATIONS

- Digital Printing
- Screen Printing
- Mounting
- CNC Cutting
- Knife Cutting
- V-cutting to Fold
- Painting



PRODUCT AVAILABILITY

Gauges	Facers	Core	Sheet Sizes	Packaging
1/2"	Bright White Clay-Coated Paper Facers	White Natural	48" x 96" 60" x 120"	Carton

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3A COMPOSITES

PRODUCT TECHNICAL SPECIFICATIONS

DIMENSIONS & WEIGHT	
Thickness	1/2"
Basis Weight (lb/MSF)	275 ±5
Sheet Sizes	48" x 96" / 60" x 96" / 60" x 120"
Dimensional Tolerance (W/L)	±0.185" / ±0.125"
Diagonal Tolerance (Squareness)	+1/4"
Thickness Tolerance	±0.03"
SURFACE & COMPOSITION	
Top Liner	Bright White Clay-Coated Paper (C1S)
Core	Paper Honeycomb, White or Natural (Brown)
Bottom Liner	Bright White Clay-Coated Paper (C1S)
Brightness	92
Whiteness	L*a*b* 94.5, 1.9, -8.0 (CIELAB SCAN-P 72)
PHYSICAL PROPERTIES	
Flexural Stiffness (lbf) (STA-TECH-394)	38 ±5
Compression Strength (lbf) (STA-TECH-395)	206 (+33, -21)
Recyclability	100% recyclable
PACKAGING	
Units per Carton	12

Note: Technical data of this product are typical ones. The actual measured values are subject to production variations. 3A Composites does not guarantee the accuracy of the data provided and disclaims liability for damages resulting from its use.

Processing:
- Digital printing
- Screen printing
- Laminating
- Cutting
- Folding (V-groove)

Behavior in External Conditions:
- The material is not flame retardant
- The core is sensitive to excessive moisture (interior applications only)

Storage, Transport, & Handling:
- POLAR boards must be stored flat and protected from moisture & cold elements.
- Before processing, the paperboards require 24 hours to acclimate to the processing environment.
- In order to avoid soiling the surfaces, clean white cotton gloves should be worn when handling.