

Moisture Resistant Wall Panel



Nudo BPLite™ Technical Data

BPLite Wall Panels are premium thermoplastic extruded sheets, that Nudo Products, Inc. manufactures using HDPE materials. These liner panels are available in various finishes, cracked ice, hair cell, moroccan and smooth. They have been designed for interior wall applications where durable panels are needed and resistant to mold, mildew and corrosion is required. BPLite has a Class C rating for flame spread and smoke development when tested per ASTM E-84 standards.

Physical Properties Table 1

Typical Value			
Property	.090"	Measure	Test Method
Surface Burn Test	Class C	N/A	ASTM E84
Smoke Development	≤ 450	N/A	ASTM E84
Flame Spread Index	≤ 200	N/A	
Flexural Strength	110,697	psi	ASTM D790
Flexural Modulus	3.4 X 10 ⁵	psi	ASTM D790
Tensile Strength	3,570	psi	ASTM D638
Tensile Modulus	1.93 X 10 ⁵	psi	ASTM D638

Physical Properties Table 2

Part Number Identifier	Nominal Poly Thickness	Panel Size	Texture	Color
NLP-RME9	.090"	4'X8', 10', 12'	Moroccan	Beige Black Charcoal Gray White
NLP-RE9			Cracked Ice	
NLP-SRE9			Smooth	
NLP-RHE9			Haircell	

[Custom colors available with 3200sf minimum. Standard Color availability subject to change with no prior notice]



Composition: High Density Polyethylene, reclaimed polymer materials, mineral reinforcements, and color pigment.

Preconditioning: Prior to installing BPLite panels, remove the packaging materials and allow the panels to acclimate to room temperature and humidity for at least 48 hours. Ideally, the room temperature and humidity during acclimation and installation should be the same as the final operational conditions.

Product Limitations: BPLite is designed as an indoor wall protection panel. It should never be exposed to extremely high or extremely low moisture conditions. BPLite is designed to be installed over a solid wall surface and should never be directly installed over studs, concrete, concrete block, or non-insulated exterior walls. BPLite should be installed between 60°F (16°C) to 75°F (24°C) and 35% to 55% relative humidity. Non-compliance with product limitations may affect future performance and voids warranty.

Finished Panel Quality, Fabrication & Handling

- The front side shall be textured to the specified texture or the panels shall have a wear side with a smooth finish (smooth). Colors shall be throughout the panel and manufactured as specified.
- The backside shall be smooth. Backside imperfections which do not affect functional properties are not cause for rejection.
- Physical properties shall be set forth in Table 1.
- Product quality standards and tolerance for panel weight and thickness shall be set for in Nudo Product, Inc. Quality Control Procedures/Standards which are available upon request.
- Dimensions shall be specified on purchased order, subject to the following tolerances:
 - Width: $\pm 1/8$ " (3.2mm)
 - Length: $\pm 1/8$ " (3.2 mm)
 - Squareness: not more than $1/8$ " (3.2 mm) out of square.
- Panels shall be installed in accordance with the manufacturer's guidelines as set forth in the installation guide lines.
- Please refer to NUDO BPLite™ Installation Guidelines for cleaning instructions.
- Panels can be installed and fabricated with the same tools and techniques as ordinary plastic panels. Carbide-tipped tools are recommended, as well as safety equipment. Eye protection and filtered mask should be worn during cutting and trimming operations.

Storage: BPLite laminated should be stored horizontally indoors on a contiguous flat surface, in a dry location. Panels should never be stored on the floor or an outside wall. Exposure to humid or wet conditions prior to installation may cause moisture damage. Standing water on surface of panels prior to installation may cause color distortion. Optimum storage conditions are 60°F (16°C) to 75°F (24°C) and 35% to 55% relative humidity.

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