

PoliLam Solid Core HPL

PoliLam Solid Core HPL is a high-pressure decorative laminate featuring a color-through core, available in a refined selection of patterns and finishes. The solid, continuous core delivers a seamless monolithic appearance, making it ideal for applications that demand both durability and design consistency.

Key Features

Dimensions:  
4x8ft ( 1220x2440mm ), 4x10ft ( 1220x3050mm )  
Thickness:  
1.0mm±0.1mm( .039"± .005" )

Physical Properties:

Complies with NEMA LD3-2005 "High Pressure Decorative Laminates (HPL) ", ensuring the material meets the high strength and durability standards.

Formaldehyde Emission:

Complies with GB 18580-2001 requirements for formaldehyde emission, meeting the air quality standard for formaldehyde release.

Eco-Certification:

Certified by GREENGUARD, including Greenguard Gold, FSC Forest Certification, and Singapore Green Label certification.

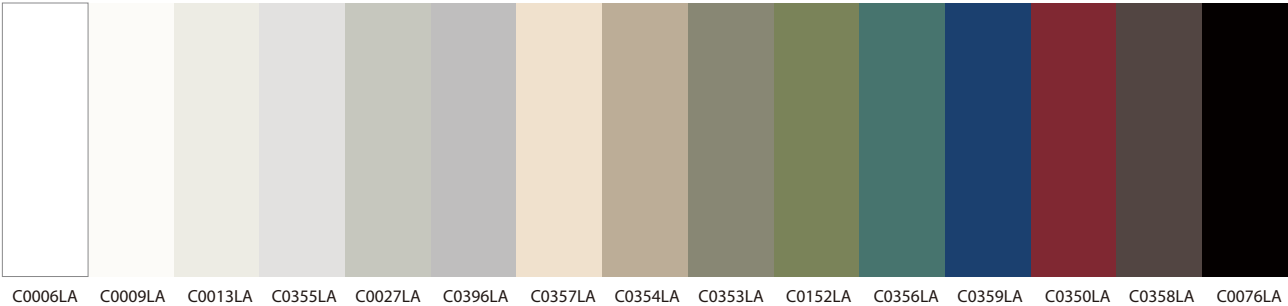
Technical Specifications

Property	Test Method	Test Result
Thickness Tolerance	EN438-2-5/ NEMA LD03-2005	1.0mm±0.1mm (.039"± .005")
Cleanability	ANSI NEMA LD .3-2005 Section 3.4	Score: 6
Stain Resistance	ANSI NEMA LD .3-2005 Section 3.4	No effect
Boiling Water Resistance	ANSI NEMA LD .3-2005 Section 3.5	No effect
High Temperature Resistance	ANSI NEMA LD .3-2005 Section 3.6 Hot wax method	No effect
Scratch Resistance	ANSI NEMA LD .3-2005 Section 3.7.3	Rating:3(4N)
Ball Impact Resistance	ANSI NEMA LD .3-2005 Section 3.8	No effect
Wear Resistance	ANSI NEMA LD .3-2005 Section 3.13	350cycles
Tensile Strength	ASTM D638-14	104Mpa
Ball Impact Resistance	ANSI NEMA LD .3-2005 Section 3.8	1100mm

Mechanical and Environmental Performance

- Tensile Strength: The tensile strength of 104 MPa provides reliable assurance for load-bearing applications.
- Abrasion Resistance: The abrasion resistance of Solid Core HPL is rated at 1988 revolutions, ensuring the material's durability and service life.
- Stain Resistance: Rated at Level 5, the highest stain resistance, which aids in daily cleaning and maintenance.

Solid Core HPL Decor Collection



Featuring a range of woodgrains and textures to suit any style. These designs add versatility and depth, ensuring a perfect match for various design projects.

## Applications

**PoliLam Solid Core HPL boards are perfect for a variety of interior design applications including:** | Furniture | Wall surface | Countertop |



## Installation and Maintenance

### Installation:

For ease of installation, PoliLam recommends acclimating Solid Core HPL for one week prior to cutting, especially when used in environments with changing humidity.

### Maintenance:

Solid Core HPL is easy to clean and maintain. Its surface is corrosion-resistant, moisture-proof, and wear-resistant, making it an ideal choice for high-traffic residential and commercial spaces.

## Handling and Storage

Transport whole panels upright to avoid excessive bending that could cause cracks. Pay attention to protecting the edges and corners. During storage, keep the panels in a dry, well-ventilated area, away from direct sunlight and extreme temperature changes. Panels should be laid flat on a level surface with proper support to avoid warping.

## Customer Services

Please contact [sales@polilam.com](mailto:sales@polilam.com)  
[www.polilam.com](http://www.polilam.com)