

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.

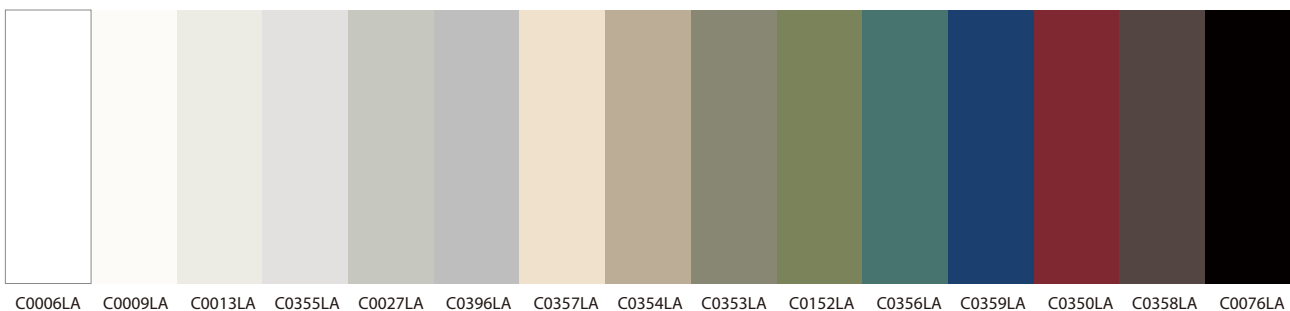
Technical Specifications

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.