

## Panda Board

### Description:

Panda Board is the premier co-extruded black & white and “green” closed-cell PVC substrate. It combines recycled PVC in black for finished edges and core, with a virgin white print surface. This eliminates flood coating of white ink to direct print on a black substrate, and also may be used for dimensionally engraved graphics. By routing the top-surface, two-tone graphic images and text can be created for 3D signs, point of purchase displays, and exhibits.

### Characteristics:

- Digital and Screen Printable
- Strong full density material, durable surface with improved ding resistance.
- The mechanical performance remains stable in prolonged temperatures ranging from -4°F to 140°F
- Black layer uses recycled material
- Top layer is smooth virgin material for best print performance
- Fire rated UK BS 476: Part 7 Class 1

### Sheet Tolerance:

- Width: -0, +3mm
- Length: -0, +10mm
- Thickness: +0, -10%mm

### Size Available:

- All items are delivered as 8’ x 4’ sheets
- Minimum order is one box
- Items highlighted in yellow are standard stock items
- Call for availability on non-stock items

Size (mm)	Size (in)	Shts/Pallet	Lbs/Sht	White/Black
3mm	1/8” - 0.118	200	14.8	20 Sheets/box
5mm	0.197	100	24.6	10 Sheets/box

Note: All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the “Information”) shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own tests. Ecorite Imaging shall have no liability as a result of any loss, expense, damage, cost or other injury which result from Purchaser’s reliance on the Information.

## Panda Board

*Technical Data:*

Properties	Result	Test Method
Moisture Absorption (24 hrs @ 23°C)	<0.25% by wt	DIN 53495
Water Solubility	Insoluble	DIN 53122
Oxygen Index	48%	
Tensile Strength @ Yield	16MPa	DIN 53455
Modulus of Elasticity	0.9MPa	DIN 53457
Breakage Elongation	27%	DIN 53455
Flextural Strength	27Mpa	DIN 53452
Impact Resistance	15KJ/m <sup>2</sup>	DIN 53453
Shore Hardness (3mm)	45 - 65	DIN 53505
Dielectric Strength	~100kV/cm	DIN 53481
Surface Resistance	>10 <sup>12</sup> Ω	DIN 53482
Volume Resistivity	4x10 <sup>15</sup> Ωcm	DIN 53482
Dielectric Constant (1kHz)	2.4	DIN 53483
Dielectric Dissipation Factor (1kHz)	0.013	DIN 53483
Comparative Tracking Resistance	600V	DIN IEC 112
Vicat Softening Temperature	76°C	DIN 53460
Thermal Conductivity, K	0.085W/m°C	DIN 52612
Thermal Decomposition Temperature	>200°C	
Thermal Resistance, R (3mm)	0.20m <sup>2</sup> K/W	CEN 492
Thermal Expansion Coefficient	0.068mm/m°C	DIN 53752
Service Temperature Range	-20°C to +60°C	
Sound Attenuation (3mm) (100-3500Hz)	19dB	

Note: All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the “Information”) shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own tests. Ecorite Imaging shall have no liability as a result of any loss, expense, damage, cost or other injury which result from Purchaser’s reliance on the Information.