

Technical Information

Sheet Size:	4' x 8' (1220mm x 2440mm) or Custom Sizes				
Thickness:	6mm 1/4"	9mm 3/8"	12mm 1/2"	16mm 5/8"	18mm 3/4"
Sheet Weight:	36 lbs	50lbs	70lbs	88 lbs	98 lbs
No. Sheet/Lift	60	50	40	30	25
Shipping Weight/Lift:	2255 lbs	2595 lbs	2895 lbs	2735 lbs	2545 lbs
Surface Texture:	Slightly Textures				
Color:	Natural, Grey, or Custom Colors				
Tolerance:	Length	96" + 1/8 @ 70 Degrees Fahrenheit			
	Width	48" = 1/16" @ 70 Degrees Fahrenheit			
	Squariness	+ 3/16"			
	Thickness	+ 0.5mm			

Polyboard: Properties and Specifications

Testing Item	Testing Standard	Test Results	
Density	ASTM D2395-83	.9 kg/m	56.2 lbs/ft
Impact Strength	ASTM D3029-90	5.5 mm/kg	40.0 ft/lbs
Flexural Strength – Maximum Fiber Stress	ASTM D790-91	Long. 36.0 mpa/ Trav. 25.0	5058.0 psi 3512.5 psi
Flexural Modulus of Elasticity	ASTM D790-91	Long. 556.5 Mpa Trav. 315.6	78200 psi 44342 psi
Tensile Strength	ASTN D638-91	Long. 9.0 Trav. 7.0	1264.5 psi 983.5 psi
Moisture Content	ASTM D4442-92	0.35%	0.35%
Water Absorption	ASTM D570-81	1.90%	1.90%
Compression Rating (Hardness)	ASTM D1037-91	30711.9 kPa	4451 psi
Thermal Resistance (R Value for _")	ASTM C518-4/E380-9a	0.244 (m .KW)	1.386 (F.ft .h/Btu)
Sound Transmission Loss	ASTM E90-90/E492-90	56.5 dB	56.5 Db
Flammability	FMVSS NO. 302	0.15 in/min	0.15 in/min

↔Pass Rate: Testing at 30 degree angle, the fire shall not burn or transmit aflame front across its surface at a rate of more than 4v inches per minute.