

TECHNICAL DATA SHEET: IMPACT BOARD (IB) SERIES PRODUCT



**EFFECTIVE:
7/1/2024**

TECHNICAL SPECIFICATIONS:



Product	Area Weight (lbs/sqft)	"Dimensional stability (µm/m-°C) ASTM E228"	"Moisture Absorption (%) ASTM D570"	"Large Format Capabilities? (8'W+ x 24'L+)"	"Environmental Resistant (Water/Salt/Mold)"
1/2" Impact Board	1.1	11.6-17.4	<1	Yes	Yes
0.125" 6061 Aluminum	1.8	23.6	<1	No	No
0.125" Carbon Steel	5.098	10.8-12.5	<1	No	No
1/2" OSB	1.67	3.4	20	No	No
1/2" Plywood	1.42	4.5	10-12	No	No
1/2" Green Board	1.625	23.3	<10	No	No

Confrontational Impact Guard

MECHANICAL PROPERTIES:

IB SERIES	IB63	IB63	IB66	IB66
PILES OF TAPE	6/3	6/3	6/6	6/6
NOMINAL AREA WEIGHT (lbs/ft ²)	1.10	1.10	1.37	1.37
NOMINAL THICKNESS (in)	0.50	0.75	0.50	0.75
CORE DENSITY (lbs/ft ³)	8	4	8	4
NOMINAL FLEXURAL MODULUS - MAJOR DIRECTION (ASTM D790) (ksi)	552	370	514	277
NOMINAL FLEXURAL STRENGTH - MAJOR DIRECTION (ASTM D790) (ksi)	3.46	2.13	3.78	1.61
MAX LOAD (lbf)	182	160	347	127
DEFLECTION AT MAX LOAD	0.47	0.41	0.47	0.78

TOLERANCES ⁽¹⁾:

IB SERIES	IB63	IB63	IB66	IB66
PILES OF TAPE	6/3	6/3	6/6	6/6
LENGTH	±1/8"	±1/8"	±1/8"	±1/8"
WIDTH	±1/16"	±1/16"	±1/16"	±1/16"
THICKNESS	±1/32"	±1/32"	±1/32"	±1/32"

[1] Dimensional tolerances provided are assuming a 4'x8' sheet. The length tolerance opens to ±1/4" for product >108"

CONTACT INFO:

**CORPORATE OFFICE &
MANUFACTURING FACILITY**
31 LEETSDALE INDUSTRIAL DR.
LEETSDALE, PA 15056

PH: 412.807.9602

WWW.IMPACT-GUARD.COM

