

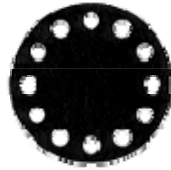


The Plastic Trading Company

Recycled Plastic Lumber Products

Benches • Bike Racks • Boardwalks • Decks • Docks • Fences • Furniture
Railing • Signs • Tables • Trash Bins • Trellis • Custom Fabrication

COMPOSITE MARINE PRODUCT SPECIFICATIONS



Piling

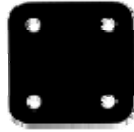
Diameter	Rebar	Size	Stiffness, EI	Weight
in	#	in	lb-in ²	lb/ft
10	6	1	2.25E+08	24 - 29
10	6	1.25	3.06E+08	25 - 31
10	6	1.375	3.54E+08	26 - 32
10	8	1	2.84E+08	25 - 30
10	8	1.25	3.92E+08	26 - 32
10	8	1.375	4.57E+08	27 - 33
10	8	1.5	5.26E+08	28 - 35
13	8	1	6.57E+08	39 - 48
13	8	1.25	8.90E+08	41 - 50
13	8	1.375	1.03E+09	42 - 51
13	12	1	9.17E+08	41 - 50
13	12	1.25	1.27E+09	43 - 53
13	12	1.375	1.48E+09	45 - 55
13	12	1.5	1.70E+09	46 - 57
16	16	1	2.00E+09	61 - 74
16	16	1.25	2.76E+09	64 - 78
16	16	1.375	3.21E+09	66 - 81
16	16	1.5	3.69E+09	68 - 83

Actual values may vary slightly from stated values due to variations in material properties, dimensional tolerances, and test conditions (particularly L/D ratio, temperature, and rate of compression). Standard manufacturing tolerances apply.

Specifications are subject to change without notice.

2810 SE Monroe St. • Stuart, FL 34997 • Phone 772-781-9962
www.plastictrading.com





Timber

Size	Rebar	Size	Stiffness, EI Axis Y-Y	Stiffness, EI Axis X-X	Weight
in	#	in	lb-in ²	lb-in ²	lb/ft
8 x 12	0		4.14E+07	9.45E+07	23 - 29
8 x 12	4	1	1.06E+07	3.66E+08	25 - 31
8 x 12	4	1.25	1.36E+08	4.88E+08	26 - 32
8 x 12	4	1.375	1.54E+08	5.61E+08	26 - 32
8 x 12	4	1.5	1.74E+08	6.39E+08	27 - 33
10 x 10	0		7.35E+07	7.35E+07	25 - 31
10 x 10	4	1	2.39E+08	2.39E+08	27 - 33
10 x 10	4	1.25	3.13E+08	3.13E+08	28 - 34
10 x 10	4	1.375	3.58E+08	3.58E+08	28 - 34
10 x 10	4	1.5	4.05E+08	4.05E+08	29 - 35
12 x 12	0		1.51E+08	1.51E+08	36 - 44
12 x 12	4	1	4.04E+08	4.04E+08	38 - 46
12 x 12	4	1.25	5.17E+08	5.17E+08	39 - 47
12 x 12	4	1.375	5.86E+08	5.86E+08	39 - 48
12 x 12	4	1.5	6.58E+08	6.58E+08	40 - 48

Actual values may vary slightly from stated values due to variations in material properties, dimensional tolerances, and test conditions (particularly L/D ratio, temperature, and rate of compression). Standard manufacturing tolerances apply.