

Vertical Barrier Walls



Material Properties

Property	Units	Environ
Moment of Inertia	in ⁴ /lb	7.07
Section Modulus	in ³ /ft	4.00
Width	in	30.00
Depth	in	3.50
Weight (per unit)	lbs/lin/ft	4.25
Web Thickness	in	0.28
Flange Thickness	in	0.28
UV Protection	%	100.00

Property	Test Method	Units	Environ
Peak Tensile Stress (MD)	ASTM D3039/D638	ksi	3.12
Peak Flexural Stress (MD)	ASTM D-790	ksi	3.60
Modulus of Elasticity (MD)	ASTM D-3039/D638	psi	1,500,000.00
24-hour Water Absorptions	ASTM D-570	%	<0.01

Permeability Testing

Effective Confining Pressure (psi)	Gradient	Hydraulic Conductivity (cm/sec)
5.0	1	3×10^{-6}
20.0	5	8×10^{-7}