

Vertical Barrier Walls



Material Properties

Property	Units	Environ	
Moment of Inertia	in ⁴ /ft	7.07	
Section Modulus	in ³ /ft	4.00	
Width	in	30.00	
Depth	in	3.50	
Weight	lbs/ft	4.25	
Web Thickness	in	0.275	
Flange Thickness	in	0.275	

Property	Test Method	Units	Environ
Peak Tensile Stress	ASTM D3039/D638	ksi	3.12
Modulus of Elasticity	ASTM D-3039/D638	ksi	116

Permeability Testing

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