

TIDEWALL DATA SHEET

	UNIT	ASTM	TW25	TW35	TW40	TW50	TW70	TW75	TW80	TW85
Section Width (W)	mm	-	457	305	305	508	457	457	457	457
Section Depth (D)	mm	-	152	178	178	203	228	254	254	254
Flange Thickness (T)	mm	-	6.35	6.60	8.13	7.62	8.38	8.89	10.41	11.18
Weight	kg/m	-	7.10	5.07	5.94	9.41	8.91	10.30	11.58	12.06
Length (stock)	m	-	11.95	11.95	11.95	11.95	11.95	11.95	11.95	11.95
Moment of Inertia	cm ⁴ /m	-	3,742	5,708	6,801	9,655	12,008	17,698	19,241	22,709
Section Modulus	cm ³ /m	-	489	651	758	866	1,050	1,339	1,462	1,717
Ultimate Moment	kg-m/m	-	2,263	3,010	3,507	4,005	4,860	6,194	6,767	7,948
Allowable Moment	kg-m/m	-	1,132	1,505	1,753	2,002	2,430	3,097	3,383	3,980
Tensile Strength	Mpa	D638	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
Flexural Strength	Mpa	D790	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
Modulus of Elasticity (MD)	Mpa	D638	2,620	2,620	2,620	2,620	2,620	2,620	2,620	2,620
Notched Izod Impact Test	kg/cm	D256	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46
Heat Deflection Temp.	°C	D648	70	70	70	70	70	70	70	70

Tidewall Vinyl Sheet Piling is engineered for the sheet piling construction industry according to
“United States Army Corp of Engineers design guidelines and tested to ASTM material specifications”