

SEAPILE® PERFORMANCE PROPERTIES



Seapile Nominal Section	Actual Diameter		Rebar Quantity	Rebar Size		M.O.R. psi	Flex. Modulus psi	Flex. Rigidity lb-in ²	Moment Capacity kip-ft	Weight lb/ft
	Inch	mm		Inch	mm					
10 SP 6F08	10 1/4	260.4	6	1	25.4	4,830	302,000	1.48E+08	42.6	28-35
10 SP 8F08	10 1/4	260.4	8	1	25.4	5,910	369,000	1.81E+08	52.1	29-36
13 SP 8F08	13 1/8	333.4	8	1	25.4	5,170	345,000	4.84E+08	95.7	43-50
13 SP 8F10	13 1/8	333.4	8	1 1/4	31.8	8,180	481,000	6.74E+08	151.4	44-52
13 SP 8F11	13 1/8	333.4	8	1 3/8	34.9	9,830	562,000	7.88E+08	181.9	45-53
13 SP 12F08	13 1/8	333.4	12	1	25.4	5,740	377,000	5.29E+08	106.2	44-52
13 SP 12F10	13 1/8	333.4	12	1 1/4	31.8	10,110	613,000	8.59E+08	187.1	46-54
13 SP 12F11	13 1/8	333.4	12	1 3/8	34.9	11,380	759,000	1.06E+09	210.6	47-55
13 SP 12F12	13 1/8	333.4	12	1 1/2	38.1	12,840	885,000	1.24E+09	237.6	49-57
13 SP 12F13	13 1/8	333.4	12	1 5/8	41.3	14,960	1,023,000	1.43E+09	276.8	51-59
16 SP 16F08	16 1/8	409.6	16	1	25.4	6,750	394,000	1.27E+09	248.4	71-79
16 SP 16F10	16 1/8	409.6	16	1 1/4	31.8	9,860	548,000	1.76E+09	362.8	74-82
16 SP 16F11	16 1/8	409.6	16	1 3/8	34.9	11,330	687,000	2.21E+09	416.9	76-83
16 SP 16F12	16 1/8	409.6	16	1 1/2	38.1	12,750	830,000	2.67E+09	469.2	77-85
16 SP 16F13	16 1/8	409.6	16	1 5/8	41.3	14,550	898,000	2.89E+09	535.4	78-86
16 SP 16F14	16 1/8	409.6	16	1 3/4	44.5	16,430	988,000	3.18E+09	604.6	80-89

All values are ultimate. Load and resistance factors (LRFD) or safety factors (ASD) must be applied to these values.

Section dimensions are target values based upon anticipated HDPE compound shrink rates. Dimensions will vary with temperature.

M.O.R. = modulus of rupture = flexural strength.

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