



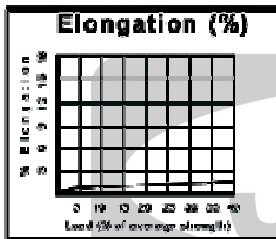
## PLASMA 12 STRAND

Plasma 12 strand is the highest strength synthetic rope available. Plasma 12 strand is manufactured from Honeywell Spectra Fiber that has been enhanced by Puget Sound Rope's patented recrystallization process. This process is especially effective in medium to large diameter ropes where strengths are over 50% higher and creep is significantly less than that of standard Spectra 12 strand.

Plasma 12 strand comes standard with a polyurethane finish and is easily spliced using a simple lockstitch type splice, 4-3-2 or 5-4-3 Tuck splice. Its soft, torque free braided construction provides easy handling.



- Highest strength
- Lowest stretch
- Low creep
- Soft hand
- Torque free
- Easy splicing
- Floats



Dia (mm)	Approx Weight (kg/100m)	Min Tensile Strength (tonne)
1	0.1	0.12
1.25	0.1	0.17
1.5	0.1	0.21
1.75	0.2	0.34
2.5	0.4	0.63
3	0.8	1.27
5	1.7	2.50
6	2.4	3.63
8	3.7	5.30
9	5.5	7.93
11	6.3	9.52
12	9.5	14.19
14	11.8	17.19
16	15.8	23.30
18	19.8	31.06
20	23.7	33.56
22	29.2	41.99
24	34.8	49.88
28	47.5	66.66
30	53.9	74.82
32	62.1	88.88
36	76.9	100.21
40	97.8	131.95
44	116.7	142.38
48	136.0	160.97
52	162.2	194.07
56	181.6	218.10
60	220.2	240.34
64	248.5	270.24
68	278.3	299.27
72	318.5	353.68
76	349.7	385.40
80	388.4	426.23
88	482.2	566.80
96	586.4	689.23
104	699	785.4
112	814	915.2
120	935	1029.5
128	1066	1115.2
136	1216	1283.1
144	1360	1367.5
152	1514	1484.1
160	1679	1603.9
168	1854	1724.1
176	2039	1844.4
184	2232	1962.3
192	2435	2082.6
194	2485	2132.5

Specific Gravity	0.98*
Melting Point	140°C*
Critical temp	65°C*
Coefficient of friction	0.09 - 0.12*
Elongation at break	4% - 5%
Fibre water absorption	0%
UV resistance	excellent
Wet abrasion	superior
Dry abrasion	superior

\* - value based on data supplied by the fibre manufacturer for new, dry fiber

