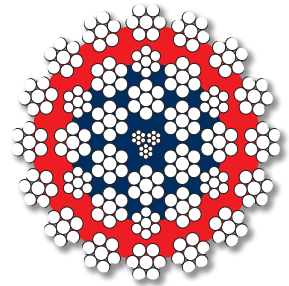


**CASAR Starplast M Strength and Weights**

Nominal Diameter mm	Metallic Area mm <sup>2</sup>	Weight kg/m	Aggregate Breaking Force				Minimum Breaking Force			
			1770 N/mm <sup>2</sup>		1960 N/mm <sup>2</sup>		1770 N/mm <sup>2</sup>		1960 N/mm <sup>2</sup>	
			kN	metric tons	kN	metric tons	kN	metric tons	kN	metric tons
20	184.4	1.73	326.4	33.27	361.4	36.84	267.6	27.28	296.3	30.20
21	203.3	1.91	359.8	36.68	398.5	40.62	295.0	30.07	326.7	33.30
22	223.1	2.09	394.9	40.25	437.3	44.57	323.8	33.01	358.6	36.55
23	243.8	2.29	431.5	43.99	477.8	48.71	353.9	36.08	391.9	39.95
24	265.5	2.49	469.9	47.90	520.4	53.05	385.3	39.28	426.7	43.50
25	288.1	2.70	509.9	51.98	564.7	57.56	418.1	42.62	463.0	47.20
26	311.6	2.93	551.5	56.22	610.7	62.26	452.2	46.10	500.8	51.05
27	336.0	3.15	594.7	60.62	658.6	67.13	487.7	49.71	540.1	55.06
28	361.4	3.39	639.7	65.21	708.3	72.21	524.5	53.47	580.8	59.20
29	387.6	3.64	686.1	69.93	759.7	77.44	562.6	57.35	623.0	63.51
30	414.8	3.89	734.2	74.84	813.0	82.88	602.1	61.38	666.7	67.96
31	443.0	4.15	784.1	79.93	868.3	88.51	642.9	65.54	711.9	72.57
32	472.0	4.43	835.4	85.16	925.1	94.30	685.1	69.84	758.6	77.33
33	502.0	4.71	888.5	90.57	983.9	100.30	728.5	74.26	806.7	82.23
34	532.8	5.00	943.1	96.13	1044.3	106.45	773.4	78.84	856.4	87.30
35	564.6	5.29	999.3	101.87	1106.6	112.80	819.5	83.54	907.5	92.51
36	597.4	5.60	1057.4	107.79	1170.9	119.36	867.0	88.38	960.1	97.87
37	631.0	5.91	1116.9	113.85	1236.8	126.07	915.9	93.36	1014.2	103.38
38	665.6	6.24	1178.1	120.09	1304.6	132.98	966.0	98.47	1069.7	109.04
39	701.1	6.57	1240.9	126.50	1374.2	140.08	1017.5	103.72	1126.8	114.86
40	737.5	6.91	1305.4	133.07	1445.5	147.35	1070.4	109.11	1185.3	120.83
41	774.8	7.26	1371.4	139.80	1518.6	154.80	1124.6	114.64	1245.3	126.94
42	813.1	7.62	1439.2	146.71	1593.7	162.45	1180.1	120.30	1306.8	133.21
43	852.3	7.99	1508.6	153.78	1670.5	170.29	1237.0	126.10	1369.8	139.63
44	892.4	8.36	1579.5	161.01	1749.1	178.30	1295.2	132.03	1434.2	146.20
45	933.4	8.74	1652.1	168.41	1829.5	186.49	1354.7	138.09	1500.1	152.92
46	975.3	9.15	1726.3	175.97	1911.6	194.86	1415.6	144.30	1567.6	159.80
47	1018.2	9.55	1802.2	183.71	1995.7	203.43	1477.8	150.64	1636.5	166.82
48	1062.0	9.95	1879.7	191.61	2081.5	212.18	1541.4	157.13	1706.8	173.99
49	1106.7	10.37	1958.9	199.68	2169.1	221.11	1606.3	163.74	1778.7	181.31
50	1152.3	10.80	2039.6	207.91	2258.5	230.23	1672.5	170.49	1852.0	188.79
51	1198.9	11.24	2122.1	216.32	2349.8	239.54	1740.1	177.38	1926.9	196.42
52	1246.4	11.68	2206.1	224.89	2442.9	249.03	1809.0	184.40	2003.2	204.20
53	1294.8	12.13	2291.8	233.62	2537.8	258.70	1879.2	191.56	2080.9	212.12
54	1344.1	12.60	2379.1	242.51	2634.4	268.55	1950.8	198.86	2160.2	220.20
55	1394.3	13.07	2467.9	251.57	2732.8	278.58	2023.7	206.29	2241.0	228.44
56	1445.5	13.54	2558.5	260.81	2833.2	288.81	2098.0	213.86	2323.2	236.82
57	1497.6	14.04	2650.8	270.21	2935.3	299.21	2173.6	221.57	2406.9	245.35
58	1550.6	14.53	2744.6	279.77	3039.2	309.80	2250.5	229.41	2492.1	254.04
59	1604.5	15.04	2840.0	289.50	3144.8	320.57	2328.8	237.39	2578.8	262.87
60	1659.4	15.55	2937.1	299.40	3252.4	331.54	2408.4	245.50	2666.9	271.86



**Starplast M**

This table is for reference only. Additional sizes available upon request.