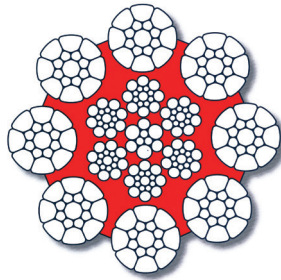


# Duroplast M



**Duroplast M**

CASAR Duroplast M Strengths 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	204.7	1.78	362.3	36.93	401.2	40.90	303.4	30.93	336.0	34.25
21	225.7	1.96	399.5	40.72	442.4	45.09	334.5	34.10	370.4	37.76
22	247.7	2.16	438.4	44.69	485.5	49.49	367.1	37.42	406.5	41.44
23	270.8	2.36	479.3	48.86	530.8	54.10	401.2	40.90	444.3	45.29
24	294.8	2.56	521.8	53.19	577.8	58.90	436.9	44.54	483.8	49.32
25	319.9	2.78	566.2	57.72	627.0	63.91	474.1	48.33	524.9	53.51
26	346.0	3.01	612.4	62.43	678.2	69.13	512.7	52.26	567.8	57.88
27	373.1	3.25	660.4	67.32	731.3	74.54	552.9	56.36	612.3	62.42
28	401.3	3.49	710.3	72.41	786.5	80.18	594.7	60.62	658.5	67.13
29	430.5	3.75	762.0	77.67	843.8	86.01	637.9	65.03	706.4	72.01
30	460.7	4.01	815.4	83.12	903.0	92.05	682.6	69.58	755.9	77.05
31	491.9	4.28	870.7	88.75	964.1	98.28	728.9	74.30	807.2	82.28
32	524.1	4.56	927.7	94.56	1027.2	104.71	776.7	79.17	860.1	87.68
33	557.4	4.85	986.6	100.57	1092.5	111.37	826.0	84.20	914.7	93.24
34	591.7	5.15	1047.3	106.76	1159.7	118.22	876.8	89.38	970.9	98.97
35	627.0	5.46	1109.8	113.13	1228.9	125.27	929.2	94.72	1028.9	104.88
36	663.4	5.77	1174.2	119.70	1300.3	132.54	983.0	100.20	1088.5	110.96
37	700.7	6.10	1240.2	126.43	1373.4	140.00	1038.4	105.85	1149.8	117.21
38	739.1	6.43	1308.2	133.35	1448.6	147.67	1095.3	111.65	1212.8	123.63
39	778.5	6.77	1377.9	140.46	1525.9	155.54	1153.7	117.60	1277.5	130.22
40	819.0	7.12	1449.6	147.77	1605.2	163.63	1213.6	123.71	1343.9	136.99
41	860.4	7.49	1522.9	155.24	1686.4	171.90	1275.0	129.97	1411.9	143.92
42	902.9	7.86	1598.1	162.91	1769.7	180.40	1338.0	136.39	1481.6	151.03
43	946.4	8.23	1675.1	170.76	1854.9	189.09	1402.5	142.97	1553.0	158.31
44	990.9	8.62	1753.9	178.79	1942.2	197.98	1468.4	149.68	1626.1	165.76
45	1036.5	9.02	1834.6	187.01	2031.5	207.09	1535.9	156.56	1700.8	173.37
46	1083.1	9.42	1917.1	195.42	2122.9	216.40	1605.0	163.61	1777.3	181.17
47	1130.7	9.84	2001.3	204.01	2216.2	225.91	1675.5	170.80	1855.4	189.13
48	1179.3	10.26	2087.4	212.78	2311.4	235.62	1747.6	178.14	1935.2	197.27
49	1229.0	10.69	2175.3	221.75	2408.8	245.55	1821.1	185.64	2016.6	205.57
50	1279.6	11.13	2264.9	230.88	2508.0	255.66	1896.2	193.29	2099.8	214.05
51	1331.3	11.58	2356.4	240.20	2609.3	265.99	1972.8	201.10	2184.6	222.69
52	1384.0	12.04	2449.7	249.71	2712.6	276.52	2051.0	209.07	2271.1	231.51
53	1437.8	12.51	2544.9	259.42	2818.1	287.27	2130.6	217.19	2359.3	240.50
54	1492.6	12.99	2641.9	269.31	2925.5	298.22	2211.8	225.46	2449.2	249.66
55	1548.4	13.47	2740.7	279.37	3034.9	309.36	2294.4	233.88	2540.7	258.99
56	1605.2	13.96	2841.2	289.62	3146.2	320.71	2378.6	242.47	2634.0	268.50
57	1663.0	14.47	2943.5	300.05	3259.5	332.26	2464.3	251.20	2728.9	278.18
58	1721.9	14.98	3047.8	310.68	3374.9	344.03	2551.6	260.10	2825.5	288.02
59	1781.8	15.50	3153.8	321.49	3492.3	356.00	2640.3	269.14	2923.7	298.03
60	1842.7	16.03	3261.6	332.47	3611.7	368.16	2730.6	278.35	3023.7	308.23

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