



Mineplast M

CASAR Mineplast M Strength and Weights										
Nominal Diameter mm	Metallic Area mm ²	Weight kg/m	Aggregate Breaking Force				Minimum Breaking Force			
			1770 N/mm ²		1960 N/mm ²		1770 N/mm ²		1960 N/mm ²	
			kN	metric tons	kN	metric tons	kN	metric tons	kN	metric tons
20	188.2	1.71	333.1	33.96	368.9	37.60	272.6	27.79	301.8	30.76
21	207.5	1.88	367.3	37.44	406.7	41.46	300.5	30.63	332.8	33.92
22	227.7	2.06	403.0	41.08	446.3	45.49	329.8	33.62	365.2	37.23
23	248.9	2.26	440.6	44.91	487.8	49.73	360.5	36.75	399.2	40.69
24	271.0	2.45	479.7	48.90	531.2	54.14	392.5	40.01	434.6	44.30
25	294.0	2.67	520.4	53.05	576.2	58.74	425.9	43.41	471.6	48.07
26	318.0	2.88	562.9	57.38	623.3	63.54	460.6	46.95	510.1	52.00
27	343.0	3.11	607.1	61.89	672.3	68.53	496.7	50.63	550.1	56.08
28	368.8	3.35	652.8	66.54	722.8	73.68	534.2	54.45	591.6	60.31
29	395.7	3.58	700.4	71.40	775.6	79.06	573.1	58.42	634.6	64.69
30	423.4	3.84	749.4	76.39	829.9	84.59	613.3	62.52	679.1	69.23
31	452.1	4.10	800.2	81.57	886.1	90.33	654.8	66.75	725.1	73.91
32	481.7	4.37	852.6	86.91	944.1	96.24	697.8	71.13	772.7	78.77
33	512.3	4.65	906.8	92.43	1004.1	102.36	742.0	75.64	821.7	83.76
34	543.8	4.93	962.5	98.12	1065.8	108.65	787.7	80.30	872.3	88.92
35	576.3	5.22	1020.1	103.98	1129.5	115.14	834.7	85.09	924.3	94.22
36	609.7	5.53	1079.2	110.01	1195.0	121.82	883.1	90.02	977.9	99.68
37	644.1	5.84	1140.1	116.21	1262.4	128.69	932.8	95.09	1033.0	105.30
38	679.3	6.16	1202.4	122.56	1331.4	135.72	983.9	100.30	1089.6	111.07
39	715.6	6.49	1266.6	129.11	1402.6	142.97	1036.4	105.65	1147.7	116.99
40	752.7	6.82	1332.3	135.81	1475.3	150.39	1090.2	111.13	1207.3	123.07
41	790.8	7.13	1399.7	142.68	1550.0	158.00	1145.4	116.76	1268.4	129.30
42	829.9	7.52	1468.9	149.74	1626.6	165.81	1202.0	122.53	1331.0	135.68
43	869.9	7.88	1539.7	156.95	1705.0	173.80	1259.9	128.43	1395.2	142.22
44	910.8	8.26	1612.1	164.33	1785.2	181.97	1319.2	134.48	1460.8	148.91
45	952.7	8.63	1686.3	171.89	1867.3	190.35	1379.8	140.65	1528.0	155.76
46	995.5	9.02	1762.0	179.62	1951.2	198.90	1441.8	146.97	1596.6	162.75
47	1039.2	9.42	1839.4	187.50	2036.8	207.63	1505.2	153.44	1666.8	169.91
48	1083.9	9.83	1918.5	195.57	2124.4	216.56	1569.9	160.03	1738.5	177.22
49	1129.6	10.24	1999.4	203.81	2214.0	225.69	1636.0	166.77	1811.7	184.68
50	1176.1	10.66	2081.7	212.20	2305.2	234.98	1703.5	173.65	1886.4	192.29
51	1223.6	11.09	2165.8	220.77	2398.3	244.47	1772.3	180.66	1962.6	200.06
52	1272.1	11.53	2251.6	229.52	2493.3	254.16	1842.5	187.82	2040.3	207.98
53	1321.5	11.98	2339.1	238.44	2590.1	264.03	1914.1	195.12	2119.5	216.06
54	1371.8	12.43	2428.1	247.51	2688.7	274.08	1987.0	202.55	2200.3	224.29
55	1423.1	12.90	2518.9	256.77	2789.3	284.33	2061.2	210.11	2282.5	232.67
56	1475.3	13.37	2611.3	266.19	2891.6	294.76	2136.9	217.83	2366.3	241.21
57	1528.5	13.85	2705.4	275.78	2995.9	305.39	2213.9	225.68	2451.5	249.90
58	1582.6	14.35	2801.2	285.55	3101.9	316.20	2292.2	233.66	2538.3	258.75
59	1637.6	14.84	2898.6	295.47	3209.7	327.19	2372.0	241.79	2626.6	267.75
60	1693.6	15.35	2997.7	305.57	3319.5	338.37	2453.0	250.05	2716.4	276.90

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