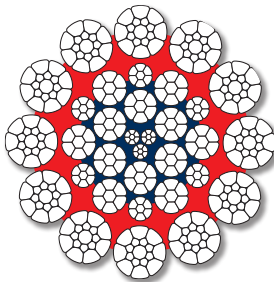


# Mineplast VM



**Mineplast VM**

CASAR Mineplast VM 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	206.4	1.90	365.3	37.24	404.5	41.24	297.6	30.34	329.6	33.60
21	227.6	2.09	402.9	41.07	446.1	45.47	328.1	33.45	363.4	37.04
22	249.8	2.29	442.1	45.07	489.6	49.91	360.1	36.71	398.8	40.65
23	273.0	2.50	483.2	49.26	535.1	54.54	393.6	40.12	435.9	44.43
24	297.3	2.73	526.2	53.64	582.7	59.40	428.6	43.69	474.6	48.38
25	322.6	2.96	571.0	58.21	632.3	64.45	465.0	47.40	515.0	52.50
26	348.9	3.20	617.6	62.95	683.8	69.71	503.0	51.27	557.0	56.78
27	376.2	3.45	665.9	67.88	737.4	75.16	542.4	55.29	600.7	61.23
28	404.6	3.71	716.1	73.00	793.0	80.84	583.3	59.46	646.0	65.85
29	434.1	3.98	768.4	78.32	850.8	86.73	625.8	63.79	692.9	70.63
30	464.5	4.25	822.2	83.81	910.4	92.81	669.7	68.27	741.5	75.59
31	496.0	4.54	877.9	89.49	972.2	99.10	715.0	72.88	791.8	80.71
32	528.5	4.84	935.4	95.36	1035.9	105.59	761.9	77.67	843.7	86.00
33	562.1	5.15	994.9	101.42	1101.7	112.31	810.3	82.60	897.3	91.47
34	596.6	5.47	1056.0	107.64	1169.3	119.20	860.1	87.68	952.5	97.09
35	632.2	5.80	1119.0	114.07	1239.1	126.31	911.5	92.92	1009.3	102.88
36	668.9	6.13	1184.0	120.69	1311.0	133.64	964.3	98.30	1067.8	108.85
37	706.6	6.48	1250.7	127.49	1384.9	141.18	1018.6	103.83	1128.0	114.98
38	745.3	6.83	1319.2	134.47	1460.8	148.91	1074.4	109.52	1189.8	121.28
39	785.0	7.20	1389.5	141.64	1538.6	156.84	1131.7	115.36	1253.2	127.75
40	825.8	7.57	1461.7	149.00	1618.6	164.99	1190.5	121.36	1318.3	134.38
41	867.6	7.95	1535.7	156.54	1700.5	173.34	1250.8	127.50	1385.0	141.18
42	910.4	8.34	1611.4	164.26	1784.4	181.89	1312.5	133.79	1453.4	148.15
43	954.3	8.74	1689.1	172.18	1870.4	190.67	1375.8	140.24	1523.5	155.30
44	999.2	9.16	1768.6	180.28	1958.4	199.64	1440.5	146.84	1595.1	162.60
45	1045.1	9.58	1849.8	188.57	2048.4	208.81	1506.7	153.59	1668.5	170.08
46	1092.1	10.01	1933.0	197.05	2140.5	218.20	1574.4	160.49	1743.5	177.73
47	1140.1	10.45	2018.0	205.71	2234.6	227.79	1643.6	167.54	1820.1	185.54
48	1189.1	10.90	2104.7	214.55	2330.6	237.58	1714.3	174.75	1898.4	193.52
49	1239.2	11.36	2193.4	223.59	2428.8	247.59	1786.5	182.11	1978.3	201.66
50	1290.3	11.82	2283.8	232.81	2529.0	257.80	1860.2	189.62	2059.8	209.97
51	1342.4	12.31	2376.0	242.21	2631.1	268.21	1935.3	197.28	2143.1	218.46
52	1395.6	12.79	2470.2	251.81	2735.4	278.84	2012.0	205.10	2227.9	227.10
53	1449.8	13.29	2566.1	261.58	2841.6	289.66	2090.1	213.06	2314.4	235.92
54	1505.0	13.79	2663.9	271.54	2949.8	300.69	2169.7	221.17	2402.6	244.91
55	1561.3	14.32	2763.5	281.70	3060.1	311.94	2250.8	229.44	2492.4	254.07
56	1618.5	14.84	2864.7	292.02	3172.3	323.37	2333.4	237.86	2583.9	263.39
57	1676.9	15.37	2968.1	302.56	3286.7	335.04	2417.5	246.43	2677.0	272.88
58	1736.2	15.91	3073.1	313.26	3403.0	346.89	2503.0	255.15	2771.7	282.54
59	1796.6	16.47	3180.0	324.16	3521.3	358.95	2590.1	264.03	2868.1	292.36
60	1858.0	17.04	3288.7	335.24	3641.7	371.22	2678.6	273.05	2966.2	302.36

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