



Abvigen Inc

Tel: 1-816-388- 0112 Fax: 1- 888-616-0161

Email: info@abvigenus.com

PMMA Particles NPS- 1%

Diameter (um)	Particle Volume (nm3)	Volume (ml)	Wt.Conc. (mg/ml)	Particle Mass(g)	NPS/mg	NPS/ml
0.01	5.24E+02	10	10	6.02E-19	1.66E+15	1.66E+16
0.02	4.19E+03	10	10	4.82E-18	2.08E+14	2.08E+15
0.03	1.41E+04	10	10	1.63E-17	6.15E+13	6.15E+14
0.04	3.35E+04	10	10	3.85E-17	2.59E+13	2.59E+14
0.05	6.54E+04	10	10	7.53E-17	1.33E+13	1.33E+14
0.07	1.80E+05	10	10	2.07E-16	4.84E+12	4.84E+13
0.08	2.68E+05	10	10	3.08E-16	3.24E+12	3.24E+13
0.1	5.24E+05	10	10	6.02E-16	1.66E+12	1.66E+13
0.2	4.19E+06	10	10	4.82E-15	2.08E+11	2.08E+12
0.3	1.41E+07	10	10	1.63E-14	6.15E+10	6.15E+11
0.4	3.35E+07	10	10	3.85E-14	2.59E+10	2.59E+11
0.5	6.54E+07	10	10	7.53E-14	1.33E+10	1.33E+11
0.6	1.13E+08	10	10	1.30E-13	7.69E+09	7.69E+10
0.7	1.80E+08	10	10	2.07E-13	4.84E+09	4.84E+10
0.8	2.68E+08	10	10	3.08E-13	3.24E+09	3.24E+10
0.9	3.82E+08	10	10	4.39E-13	2.28E+09	2.28E+10
1	5.24E+08	10	10	6.02E-13	1.66E+09	1.66E+10
2	4.19E+09	10	10	4.82E-12	2.08E+08	2.08E+09

3	1.41E+10	10	10	1.63E-11	6.15E+07	6.15E+08
4	3.35E+10	10	10	3.85E-11	2.59E+07	2.59E+08
5	6.54E+10	10	10	7.53E-11	1.33E+07	1.33E+08
6	1.13E+11	10	10	1.30E-10	7.69E+06	7.69E+07
7	1.80E+11	10	10	2.07E-10	4.84E+06	4.84E+07
8	2.68E+11	10	10	3.08E-10	3.24E+06	3.24E+07
9	3.82E+11	10	10	4.39E-10	2.28E+06	2.28E+07
10	5.24E+11	10	10	6.02E-10	1.66E+06	1.66E+07
11	6.97E+11	10	10	8.01E-10	1.25E+06	1.25E+07
12	9.05E+11	10	10	1.04E-09	9.61E+05	9.61E+06
13	1.15E+12	10	10	1.32E-09	7.56E+05	7.56E+06
14	1.44E+12	10	10	1.65E-09	6.05E+05	6.05E+06
15	1.77E+12	10	10	2.03E-09	4.92E+05	4.92E+06
17	2.57E+12	10	10	2.96E-09	3.38E+05	3.38E+06
18	3.05E+12	10	10	3.51E-09	2.85E+05	2.85E+06
20	4.19E+12	10	10	4.82E-09	2.08E+05	2.08E+06
22	5.58E+12	10	10	6.41E-09	1.56E+05	1.56E+06
23	6.37E+12	10	10	7.33E-09	1.36E+05	1.36E+06
24	7.24E+12	10	10	8.32E-09	1.20E+05	1.20E+06
25	8.18E+12	10	10	9.41E-09	1.06E+05	1.06E+06
30	1.41E+13	10	10	1.63E-08	6.15E+04	6.15E+05
40	3.35E+13	10	10	3.85E-08	2.59E+04	2.59E+05
50	6.54E+13	10	10	7.53E-08	1.33E+04	1.33E+05
60	1.13E+14	10	10	1.30E-07	7.69E+03	7.69E+04
70	1.80E+14	10	10	2.07E-07	4.84E+03	4.84E+04

80	2.68E+14	10	10	3.08E-07	3.24E+03	3.24E+04
90	3.82E+14	10	10	4.39E-07	2.28E+03	2.28E+04
100	5.24E+14	10	10	6.02E-07	1.66E+03	1.66E+04
200	4.19E+15	10	10	4.82E-06	2.08E+02	2.08E+03
300	1.41E+16	10	10	1.63E-05	6.15E+01	6.15E+02
400	3.35E+16	10	10	3.85E-05	2.59E+01	2.59E+02
500	6.54E+16	10	10	7.53E-05	1.33E+01	1.33E+02
600	1.13E+17	10	10	1.30E-04	7.69E+00	7.69E+01
700	1.80E+17	10	10	2.07E-04	4.84E+00	4.84E+01
800	2.68E+17	10	10	3.08E-04	3.24E+00	3.24E+01
900	3.82E+17	10	10	4.39E-04	2.28E+00	2.28E+01
1000	5.24E+17	10	10	6.02E-04	1.66E+00	1.66E+01
2000	4.19E+18	10	10	4.82E-03	2.08E-01	2.08E+00