

Quantachrome Porometer 3G Summary Report

Maximum Pore Size: 0.0451 μm
Mean Pore Size (MFP): 0.0000 μm
Minimum Pore Size: 0.0327 μm
Bubble Point Pressure: 14.2000 bar
Bubble Point Flow Rate: 147.7354 l/m
Bubble Point Auto Mode: Auto Tolerance: 1.000
Pore Density: $7.806\text{E}+11$ / cm^2
Porosity (Open Area Data): 2426.742 %

Quantachrome Porometer 3G Data Report

Maximum Pore Size: 0.0451 μm
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Bubble Point Auto Mode: Auto Tolerance: 1.000
Pore Density: 7.806E+11 /cm²
Porosity (Open Area Data): 2426.742 %

Point #	Wet.Targ.Pr. bar	Wet Flow l/m	Dry Flow l/m	Pore Flow Cum %	Pore Flow Diff %	Pore Num Cum (/cm ²)	Pore Num Diff (/cm ²)	Pore Open Area Cum (/cm ²)	Pore Open Area Diff (/cm ²)
0	6.40000	96.8317	98.3623	98.1735	0.0000	0	0	0	0
1	6.50000	97.1745	99.4001	98.1735	0.0000	0	0	0	0
2	6.60000	97.5404	100.4396	98.1735	0.0000	0	0	0	0
3	6.70000	97.9207	101.4792	98.1735	0.0000	0	0	0	0
4	6.80000	98.3129	102.5201	98.1735	0.0000	0	0	0	0
5	6.90000	98.8916	103.5723	98.1735	0.0000	0	0	0	0
6	7.00000	99.5661	104.6275	98.1735	0.0000	0	0	0	0
7	7.10000	100.2957	105.6807	98.1735	0.0000	0	0	0	0
8	7.20000	101.0629	106.7303	98.1735	0.0000	0	0	0	0
9	7.30000	101.8610	107.7726	98.1735	0.0000	0	0	0	0
10	7.40000	102.6816	108.8033	98.1735	0.0000	0	0	0	0
11	7.50000	103.5176	109.8213	98.1735	0.0000	0	0	0	0
12	7.60000	104.3617	110.8262	98.1735	0.0000	0	0	0	0
13	7.70000	105.2123	111.8142	98.1735	0.0000	0	0	0	0
14	7.80000	106.0585	112.7875	98.1735	0.0000	0	0	0	0
15	7.90000	106.8912	113.7505	98.1735	0.0000	0	0	0	0
16	8.00000	107.7147	114.7113	98.1735	0.0000	0	0	0	0
17	8.10000	108.5377	115.6746	98.1735	0.0000	0	0	0	0
18	8.20000	109.3623	116.6351	98.1735	0.0000	0	0	0	0
19	8.30000	110.1857	117.5957	98.1735	0.0000	0	0	0	0
20	8.40000	111.0116	118.5634	98.1735	0.0000	0	0	0	0
21	8.50000	111.8459	119.5368	98.1735	0.0000	4.238E+06	4.238E+06	0.0001887	0.0001887
22	8.60000	112.6867	120.5058	98.1735	0.0000	4.441E+07	4.017E+07	0.001936	0.001747
23	8.70000	113.5258	121.4666	98.1735	0.0000	2.275E+08	1.831E+08	0.009718	0.007782
24	8.80000	114.3636	122.4206	98.1735	0.0000	7.997E+08	5.722E+08	0.03349	0.02377
25	8.90000	115.2020	123.3681	98.1735	0.0000	2.209E+09	1.41E+09	0.09074	0.05725
26	9.00000	116.0395	124.3023	98.1735	0.0000	5.147E+09	2.938E+09	0.2074	0.1167
27	9.10000	116.8680	125.2260	98.1735	0.0000	1.055E+10	5.4E+09	0.4172	0.2098
28	9.20000	117.6868	126.1483	98.1735	0.0000	1.953E+10	8.985E+09	0.7587	0.3415
29	9.30000	118.5005	127.0707	98.1735	0.0000	3.331E+10	1.378E+10	1.271	0.5126
30	9.40000	119.3076	127.9890	98.1735	0.0000	5.306E+10	1.975E+10	1.99	0.719
31	9.50000	120.1081	128.9011	98.1735	0.0000	7.967E+10	2.661E+10	2.939	0.9485
32	9.60000	120.9082	129.7784	98.1735	0.0000	1.134E+11	3.369E+10	4.115	1.176
33	9.70000	121.7032	130.5579	98.1735	0.0000	1.536E+11	4.026E+10	5.491	1.376
34	9.80000	122.4906	131.1659	98.1735	0.0000	1.994E+11	4.577E+10	7.024	1.533
35	9.90000	123.2768	131.5341	98.1735	0.0102	2.494E+11	4.996E+10	8.664	1.64
36	10.00000	124.0658	131.6194	98.1735	0.0569	3.021E+11	5.279E+10	10.36	1.698
37	10.10000	124.8553	131.4126	98.1735	0.1354	3.565E+11	5.435E+10	12.08	1.714
38	10.20000	125.6383	130.9502	98.1735	0.2065	4.113E+11	5.479E+10	13.77	1.694
39	10.30000	126.4071	130.3079	98.1735	0.2475	4.655E+11	5.425E+10	15.42	1.645
40	10.40000	127.1482	129.5763	98.1735	0.2613	5.183E+11	5.275E+10	16.98	1.569
41	10.50000	127.8502	128.8499	99.1175	0.2611	5.686E+11	5.027E+10	18.45	1.467
42	10.60000	128.5184	128.1933	100.0000	0.2467	6.152E+11	4.669E+10	19.79	1.337
43	10.70000	129.1622	127.6185	100.0000	0.2045	6.572E+11	4.194E+10	20.97	1.179
44	10.80000	129.7772	127.1057	100.0000	0.1325	6.933E+11	3.612E+10	21.96	0.9962
45	10.90000	130.3763	126.6314	100.0000	0.0544	7.228E+11	2.953E+10	22.76	0.7995
46	11.00000	130.9767	126.1678	100.0000	0.0095	7.455E+11	2.263E+10	23.36	0.6018

47	11.10000	131.5761	125.6837	100.0000	0.0000	7.615E+11	1.6E+10	23.78	0.4178
48	11.20000	132.1634	125.1569	100.0000	0.0000	7.717E+11	1.018E+10	24.04	0.2612
49	11.30000	132.7409	124.5959	100.0000	0.0000	7.773E+11	5.609E+09	24.18	0.1413
50	11.40000	133.3148	124.0156	100.0000	0.0000	7.798E+11	2.49E+09	24.25	0.06164
51	11.50000	133.8879	123.4261	100.0000	0.0000	7.805E+11	7.672E+08	24.26	0.01866
52	11.60000	134.4519	122.8399	100.0000	0.0000	7.806E+11	1.064E+08	24.27	0.002545
53	11.70000	135.0040	122.2681	100.0000	0.0000	7.806E+11	0	24.27	0
54	11.80000	135.5432	121.7122	100.0000	0.0000	7.806E+11	0	24.27	0
55	11.90000	136.0616	121.1667	100.0000	0.0000	7.806E+11	0	24.27	0
56	12.00000	136.5638	120.6229	100.0000	0.0000	7.806E+11	0	24.27	0
57	12.10000	137.0597	120.0681	100.0000	0.0000	7.806E+11	0	24.27	0
58	12.20000	137.5601	119.5001	100.0000	0.0000	7.806E+11	0	24.27	0
59	12.30000	138.0791	118.9204	100.0000	0.0000	7.806E+11	0	24.27	0
60	12.40000	138.6257	118.3368	100.0000	0.0000	7.806E+11	0	24.27	0
61	12.50000	139.1941	117.7611	100.0000	0.0000	7.806E+11	0	24.27	0
62	12.60000	139.7716	117.2084	100.0000	0.0000	7.806E+11	0	24.27	0
63	12.70000	140.3552	116.6898	100.0000	0.0000	7.806E+11	0	24.27	0
64	12.80000	140.9318	116.2090	100.0000	0.0000	7.806E+11	0	24.27	0
65	12.90000	141.4947	115.7534	100.0000	0.0000	7.806E+11	0	24.27	0
66	13.00000	142.0391	115.3134	100.0000	0.0000	7.806E+11	0	24.27	0
67	13.10000	142.5697	114.8810	100.0000	0.0000	7.806E+11	0	24.27	0
68	13.20000	143.0868	114.4513	100.0000	0.0000	7.806E+11	0	24.27	0
69	13.30000	143.5907	114.0229	100.0000	0.0000	7.806E+11	0	24.27	0
70	13.40000	144.0795	113.5979	100.0000	0.0000	7.806E+11	0	24.27	0
71	13.50000	144.5595	113.1762	100.0000	0.0000	7.806E+11	0	24.27	0
72	13.60000	145.0278	112.7590	100.0000	0.0000	7.806E+11	0	24.27	0
73	13.70000	145.4872	112.3484	100.0000	0.0000	7.806E+11	0	24.27	0
74	13.80000	145.9438	111.9466	100.0000	0.0000	7.806E+11	0	24.27	0
75	13.90000	146.3994	111.5529	100.0000	0.0000	7.806E+11	0	24.27	0
76	14.00000	146.8533	111.1585	100.0000	0.0000	7.806E+11	0	24.27	0
77	14.10000	147.2993	110.7516	100.0000	0.0000	7.806E+11	0	24.27	0
78	14.20000	147.7354	110.3327	100.0000	0.0000	7.806E+11	0	24.27	0
79	14.30000	148.1603	109.9064	100.0000	0.0000	7.806E+11	0	24.27	0
80	14.40000	148.5723	109.4775	100.0000	0.0000	7.806E+11	0	24.27	0
81	14.50000	148.9726	109.0449	100.0000	0.0000	7.806E+11	0	24.27	0
82	14.60000	149.3622	108.6060	100.0000	0.0000	7.806E+11	0	24.27	0
83	14.70000	149.7375	108.1684	100.0000	0.0000	7.806E+11	0	24.27	0
84	14.80000	150.0889	107.7373	100.0000	0.0000	7.806E+11	0	24.27	0
85	14.90000	150.4036	107.3033	100.0000	0.0000	7.806E+11	0	24.27	0
86	15.00000	150.6680	106.8553	100.0000	0.0000	7.806E+11	0	24.27	0
87	15.10000	150.8760	106.3976	100.0000	0.0000	7.806E+11	0	24.27	0
88	15.20000	151.0389	105.9440	100.0000	0.0000	7.806E+11	0	24.27	0
89	15.30000	151.1895	105.4988	100.0000	0.0000	7.806E+11	0	24.27	0
90	15.40000	151.3560	105.0513	100.0000	0.0000	7.806E+11	0	24.27	0
91	15.50000	151.5302	104.6045	100.0000	0.0000	7.806E+11	0	24.27	0
92	15.60000	151.6806	104.1683	100.0000	0.0000	7.806E+11	0	24.27	0
93	15.70000	151.7900	103.7409	100.0000	0.0000	7.806E+11	0	24.27	0
94	15.80000	151.8516	103.3142	100.0000	0.0000	7.806E+11	0	24.27	0
95	15.90000	151.8515	102.8876	100.0000	0.0000	7.806E+11	0	24.27	0
96	16.00000	151.7827	102.4640	100.0000	0.0000	7.806E+11	0	24.27	0
97	16.10000	151.6735	102.0746	100.0000	0.0000	7.806E+11	0	24.27	0
98	16.20000	151.5691	101.7913	100.0000	0.0000	7.806E+11	0	24.27	0
99	16.30000	151.4911	101.6339	100.0000	0.0000	7.806E+11	0	24.27	0
100	16.40000	151.4311	101.5820	100.0000	0.0000	7.806E+11	0	24.27	0
101	16.50000	151.3815	101.6093	100.0000	0.0000	7.806E+11	0	24.27	0
102	16.60000	151.3404	101.7023	100.0000	0.0000	7.806E+11	0	24.27	0
103	16.70000	151.3055	101.8216	100.0000	0.0000	7.806E+11	0	24.27	0
104	16.80000	151.2730	101.9032	100.0000	0.0000	7.806E+11	0	24.27	0
105	16.90000	151.0463	101.9121	100.0000	0.0000	7.806E+11	0	24.27	0
106	17.00000	150.3768	101.8895	100.0000	0.0000	7.806E+11	0	24.27	0
107	17.10000	149.7213	101.8586	100.0000	0.0000	7.806E+11	0	24.27	0
108	17.20000	149.4419	101.8215	100.0000	0.0000	7.806E+11	0	24.27	0
109	17.30000	149.5067	101.7811	100.0000	0.0000	7.806E+11	0	24.27	0

110	17.40000	149.7350	101.7389	100.0000	0.0000	7.806E+11	0	24.27	0
111	17.50000	150.2078	101.6969	100.0000	0.0000	7.806E+11	0	24.27	0
112	17.60000	150.9973	101.6561	100.0000	0.0000	7.806E+11	0	24.27	0
113	17.70000	151.8267	101.6158	100.0000	0.0000	7.806E+11	0	24.27	0
114	17.80000	152.1613	101.5764	100.0000	0.0000	7.806E+11	0	24.27	0
115	17.90000	152.1487	101.5393	100.0000	0.0000	7.806E+11	0	24.27	0
116	18.00000	152.0500	101.5037	100.0000	0.0000	7.806E+11	0	24.27	0
117	18.10000	151.9354	101.4686	100.0000	0.0000	7.806E+11	0	24.27	0
118	18.20000	151.8275	101.4314	100.0000	0.0000	7.806E+11	0	24.27	0
119	18.30000	151.7369	101.3909	100.0000	0.0000	7.806E+11	0	24.27	0
120	18.40000	151.6713	101.3470	100.0000	0.0000	7.806E+11	0	24.27	0
121	18.50000	151.6291	101.3004	100.0000	0.0000	7.806E+11	0	24.27	0
122	18.60000	151.6020	101.2517	100.0000	0.0000	7.806E+11	0	24.27	0
123	18.70000	151.5775	101.2018	100.0000	0.0000	7.806E+11	0	24.27	0
124	18.80000	151.5473	101.1523	100.0000	0.0000	7.806E+11	0	24.27	0
125	18.90000	151.5038	101.1058	100.0000	0.0000	7.806E+11	0	24.27	0
126	19.00000	151.4410	101.0619	100.0000	0.0000	7.806E+11	0	24.27	0
127	19.10000	151.3596	101.0194	100.0000	0.0000	7.806E+11	0	24.27	0
128	19.20000	151.2664	100.9779	100.0000	0.0000	7.806E+11	0	24.27	0
129	19.30000	151.1688	100.9373	100.0000	0.0000	7.806E+11	0	24.27	0
130	19.40000	151.0717	100.8982	100.0000	0.0000	7.806E+11	0	24.27	0
131	19.50000	150.9738	100.8604	100.0000	0.0000	7.806E+11	0	24.27	0
132	19.60000	150.8706	100.8239	100.0000	0.0000	7.806E+11	0	24.27	0
133	19.70000	150.7617	100.7882	100.0000	0.0000	7.806E+11	0	24.27	0
134	19.80000	150.6513	100.7532	100.0000	0.0000	7.806E+11	0	24.27	0
135	19.90000	150.5420	100.7181	100.0000	0.0000	7.806E+11	0	24.27	0
136	20.00000	150.4347	100.6825	100.0000	0.0000	7.806E+11	0	24.27	0
137	20.10000	150.3287	100.6452	100.0000	0.0000	7.806E+11	0	24.27	0
138	20.20000	150.2238	100.6061	100.0000	0.0000	7.806E+11	0	24.27	0
139	20.30000	150.1210	100.5660	100.0000	0.0000	7.806E+11	0	24.27	0
140	20.40000	150.0205	100.5254	100.0000	0.0000	7.806E+11	0	24.27	0
141	20.50000	149.9230	100.4848	100.0000	0.0000	7.806E+11	0	24.27	0
142	20.60000	149.8275	100.4438	100.0000	0.0000	7.806E+11	0	24.27	0
143	20.70000	149.7355	100.4023	100.0000	0.0000	7.806E+11	0	24.27	0
144	20.80000	149.6480	100.3610	100.0000	0.0000	7.806E+11	0	24.27	0
145	20.90000	149.5655	100.3208	100.0000	0.0000	7.806E+11	0	24.27	0
146	21.00000	149.4871	100.2818	100.0000	0.0000	7.806E+11	0	24.27	0
147	21.10000	149.4107	100.2423	100.0000	0.0000	7.806E+11	0	24.27	0
148	21.20000	149.3359	100.2011	100.0000	0.0000	7.806E+11	0	24.27	0
149	21.30000	149.2642	100.1593	100.0000	0.0000	7.806E+11	0	24.27	0
150	21.40000	149.1946	100.1184	100.0000	0.0000	7.806E+11	0	24.27	0
151	21.50000	149.1254	100.0777	100.0000	0.0000	7.806E+11	0	24.27	0
152	21.60000	149.0549	100.0367	100.0000	0.0000	7.806E+11	0	24.27	0
153	21.70000	148.9844	99.9962	100.0000	0.0000	7.806E+11	0	24.27	0
154	21.80000	148.9163	99.9573	100.0000	0.0000	7.806E+11	0	24.27	0
155	21.90000	148.8497	99.9196	100.0000	0.0000	7.806E+11	0	24.27	0
156	22.00000	148.7846	99.8811	100.0000	0.0000	7.806E+11	0	24.27	0
157	22.10000	148.7221	99.8402	100.0000	0.0000	7.806E+11	0	24.27	0
158	22.20000	148.6628	99.7980	100.0000	0.0000	7.806E+11	0	24.27	0
159	22.30000	148.6075	99.7554	100.0000	0.0000	7.806E+11	0	24.27	0
160	22.40000	148.5549	99.7126	100.0000	0.0000	7.806E+11	0	24.27	0
161	22.50000	148.5039	99.6689	100.0000	0.0000	7.806E+11	0	24.27	0
162	22.60000	148.4542	99.6247	100.0000	0.0000	7.806E+11	0	24.27	0
163	22.70000	148.4055	99.5815	100.0000	0.0000	7.806E+11	0	24.27	0
164	22.80000	148.3585	99.5407	100.0000	0.0000	7.806E+11	0	24.27	0
165	22.90000	148.3137	99.5013	100.0000	0.0000	7.806E+11	0	24.27	0
166	23.00000	148.2701	99.4613	100.0000	0.0000	7.806E+11	0	24.27	0
167	23.10000	148.2289	99.4199	100.0000	0.0000	7.806E+11	0	24.27	0
168	23.20000	148.1909	99.3776	100.0000	0.0000	7.806E+11	0	24.27	0
169	23.30000	148.1553	99.3348	100.0000	0.0000	7.806E+11	0	24.27	0
170	23.40000	148.1197	99.2912	100.0000	0.0000	7.806E+11	0	24.27	0
171	23.50000	148.0836	99.2469	100.0000	0.0000	7.806E+11	0	24.27	0
172	23.60000	148.0485	99.2037	100.0000	0.0000	7.806E+11	0	24.27	0

173	23.70000	148.0143	99.1631	100.0000	0.0000	7.806E+11	0	24.27	0
174	23.80000	147.9793	99.1242	100.0000	0.0000	7.806E+11	0	24.27	0
175	23.90000	147.9443	99.0849	100.0000	0.0000	7.806E+11	0	24.27	0
176	24.00000	147.9118	99.0439	100.0000	0.0000	7.806E+11	0	24.27	0
177	24.10000	147.8817	99.0005	100.0000	0.0000	7.806E+11	0	24.27	0
178	24.20000	147.8518	98.9537	100.0000	0.0000	7.806E+11	0	24.27	0
179	24.30000	147.8218	98.9030	100.0000	0.0000	7.806E+11	0	24.27	0
180	24.40000	147.7912	98.8500	100.0000	0.0000	7.806E+11	0	24.27	0
181	24.50000	147.7601	98.7971	100.0000	0.0000	7.806E+11	0	24.27	0
182	24.60000	147.7296	98.7457	100.0000	0.0000	7.806E+11	0	24.27	0
183	24.70000	147.7008	98.6968	100.0000	0.0000	7.806E+11	0	24.27	0
184	24.80000	147.6729	98.6505	100.0000	0.0000	7.806E+11	0	24.27	0
185	24.90000	147.6451	98.6065	100.0000	0.0000	7.806E+11	0	24.27	0
186	25.00000	147.6177	98.5640	100.0000	0.0000	7.806E+11	0	24.27	0
187	25.10000	147.5913	98.5212	100.0000	0.0000	7.806E+11	0	24.27	0
188	25.20000	147.5645	98.4777	100.0000	0.0000	7.806E+11	0	24.27	0
189	25.30000	147.5364	98.4346	100.0000	0.0000	7.806E+11	0	24.27	0
190	25.40000	147.5073	98.3919	100.0000	0.0000	7.806E+11	0	24.27	0
191	25.50000	147.4785	98.3495	100.0000	0.0000	7.806E+11	0	24.27	0
192	25.60000	147.4510	98.3068	100.0000	0.0000	7.806E+11	0	24.27	0
193	25.70000	147.4247	98.2632	100.0000	0.0000	7.806E+11	0	24.27	0
194	25.80000	147.3996	98.2189	100.0000	0.0000	7.806E+11	0	24.27	0
195	25.90000	147.3757	98.1731	100.0000	0.0000	7.806E+11	0	24.27	0
196	26.00000	147.3532	98.1255	100.0000	0.0000	7.806E+11	0	24.27	0
197	26.10000	147.3308	98.0761	100.0000	0.0000	7.806E+11	0	24.27	0
198	26.20000	147.3058	98.0254	100.0000	0.0000	7.806E+11	0	24.27	0
199	26.30000	147.2777	97.9752	100.0000	0.0000	7.806E+11	0	24.27	0
200	26.40000	147.2473	97.9269	100.0000	0.0000	7.806E+11	0	24.27	0
201	26.50000	147.2155	97.8795	100.0000	0.0000	7.806E+11	0	24.27	0
202	26.60000	147.1830	97.8322	100.0000	0.0000	7.806E+11	0	24.27	0
203	26.70000	147.1521	97.7855	100.0000	0.0000	7.806E+11	0	24.27	0
204	26.80000	147.1251	97.7395	100.0000	0.0000	7.806E+11	0	24.27	0
205	26.90000	147.1014	97.6941	100.0000	0.0000	7.806E+11	0	24.27	0
206	27.00000	147.0796	97.6499	100.0000	0.0000	7.806E+11	0	24.27	0
207	27.10000	147.0593	97.6060	100.0000	0.0000	7.806E+11	0	24.27	0
208	27.20000	147.0400	97.5627	100.0000	0.0000	7.806E+11	0	24.27	0
209	27.30000	147.0210	97.5196	100.0000	0.0000	7.806E+11	0	24.27	0
210	27.40000	147.0013	97.4760	100.0000	0.0000	7.806E+11	0	24.27	0
211	27.50000	146.9812	97.4304	100.0000	0.0000	7.806E+11	0	24.27	0
212	27.60000	146.9611	97.3820	100.0000	0.0000	7.806E+11	0	24.27	0
213	27.70000	146.9393	97.3320	100.0000	0.0000	7.806E+11	0	24.27	0
214	27.80000	146.9150	97.2831	100.0000	0.0000	7.806E+11	0	24.27	0
215	27.90000	146.8904	97.2362	100.0000	0.0000	7.806E+11	0	24.27	0
216	28.00000	146.8665	97.1908	100.0000	0.0000	7.806E+11	0	24.27	0
217	28.10000	146.8433	97.1469	100.0000	0.0000	7.806E+11	0	24.27	0
218	28.20000	146.8214	97.1041	100.0000	0.0000	7.806E+11	0	24.27	0
219	28.30000	146.8008	97.0613	100.0000	0.0000	7.806E+11	0	24.27	0
220	28.40000	146.7812	97.0175	100.0000	0.0000	7.806E+11	0	24.27	0
221	28.50000	146.7623	96.9737	100.0000	0.0000	7.806E+11	0	24.27	0
222	28.60000	146.7428	96.9301	100.0000	0.0000	7.806E+11	0	24.27	0
223	28.70000	146.7226	96.8866	100.0000	0.0000	7.806E+11	0	24.27	0
224	28.80000	146.7026	96.8439	100.0000	0.0000	7.806E+11	0	24.27	0
225	28.90000	146.6837	96.8015	100.0000	0.0000	7.806E+11	0	24.27	0
226	29.00000	146.6657	96.7590	100.0000	0.0000	7.806E+11	0	24.27	0
227	29.10000	146.6487	96.7143	100.0000	0.0000	7.806E+11	0	24.27	0
228	29.20000	146.6314	96.6683	100.0000	0.0000	7.806E+11	0	24.27	0
229	29.30000	146.6143	96.6234	100.0000	0.0000	7.806E+11	0	24.27	0
230	29.40000	146.5962	96.5811	100.0000	0.0000	7.806E+11	0	24.27	0
231	29.50000	146.5757	96.5419	100.0000	0.0000	7.806E+11	0	24.27	0
232	29.60000	146.5540	96.5091	100.0000	0.0000	7.806E+11	0	24.27	0
233	29.70000	146.5319	96.4859	100.0000	0.0000	7.806E+11	0	24.27	0
234	29.80000	146.5088	96.4735	100.0000	0.0000	7.806E+11	0	24.27	0
235	29.90000	146.4856	96.4717	100.0000	0.0000	7.806E+11	0	24.27	0

236	30.00000	146.4638	96.4807	100.0000	0.0000	7.806E+11	0	24.27	0
237	30.10000	146.4433	96.5000	100.0000	0.0000	7.806E+11	0	24.27	0
238	30.20000	146.4231	96.5285	100.0000	0.0000	7.806E+11	0	24.27	0
239	30.30000	146.4031	96.5643	100.0000	0.0000	7.806E+11	0	24.27	0
240	30.40000	146.3837	96.6068	100.0000	0.0000	7.806E+11	0	24.27	0
241	30.50000	146.3646	96.6559	100.0000	0.0000	7.806E+11	0	24.27	0
242	30.60000	146.3444	96.7112	100.0000	0.0000	7.806E+11	0	24.27	0
243	30.70000	146.3231	96.7735	100.0000	0.0000	7.806E+11	0	24.27	0
244	30.80000	146.3024	96.8426	100.0000	0.0000	7.806E+11	0	24.27	0
245	30.90000	146.2808	96.9159	100.0000	0.0000	7.806E+11	0	24.27	0
246	31.00000	146.2577	96.9924	100.0000	0.0000	7.806E+11	0	24.27	0
247	31.10000	146.2336	97.0720	100.0000	0.0000	7.806E+11	0	24.27	0
248	31.20000	146.2090	97.1559	100.0000	0.0000	7.806E+11	0	24.27	0
249	31.30000	146.1843	97.2443	100.0000	0.0000	7.806E+11	0	24.27	0
250	31.40000	146.1593	97.3353	100.0000	0.0000	7.806E+11	0	24.27	0
251	31.50000	146.1347	97.4289	100.0000	0.0000	7.806E+11	0	24.27	0
252	31.60000	146.1130	97.5258	100.0000	0.0000	7.806E+11	0	24.27	0
253	31.70000	146.0914	97.6233	100.0000	0.0000	7.806E+11	0	24.27	0
254	31.80000	146.0700	97.7208	100.0000	0.0000	7.806E+11	0	24.27	0
255	31.90000	146.0489	97.8182	100.0000	0.0000	7.806E+11	0	24.27	0







