

Particle Size Conversion

Sieve Opening			Sieve Designation	
Inches	mm	Microns	Standard	Mesh
1.00	25.4	25400	25.4 mm	1 in.
0.875	22.6	22600	22.6 mm	7/8 in.
0.750	19.0	19000	19.0 mm	3/4 in.
0.625	16.0	16000	16.0 mm	5/8 in.
0.530	13.5	13500	13.5 mm	0.530 in.
0.500	12.7	12700	12.7 mm	1/2 in.
0.438	11.2	11200	11.2 mm	7/16 in.
0.375	9.51	9510	9.51 mm	3/8 in.
0.312	8.00	8000	8.00 mm	5/16 in.
0.265	6.73	6730	6.73 mm	0.265 in.
0.250	6.35	6350	6.35 mm	1/4 in.
0.223	5.66	5660	5.66 mm	No. 3 1/2
0.187	4.76	4760	4.76 mm	No. 4
0.157	4.00	4000	4.00 mm	No. 5
0.132	3.36	3360	3.36 mm	No. 6
0.111	2.83	2830	2.83 mm	No. 7
0.0937	2.38	2380	2.38 mm	No. 8
0.0787	2.00	2000	2.00 mm	No. 10
0.0661	1.68	1680	1.68 mm	No. 12
0.0555	1.41	1410	1.41 mm	No. 14
0.0469	1.19	1190	1.19 mm	No. 16
0.0394	1.00	1000	1.00 mm	No. 18
0.0331	0.841	841	0.841 mm	No. 20
0.0278	0.707	707	0.707 mm	No. 25
0.0234	0.595	595	0.595 mm	No. 30
0.0197	0.500	500	0.500 mm	No. 35
0.0165	0.420	420	0.420 mm	No. 40
0.0139	0.354	354	0.354 mm	No. 45
0.0117	0.297	297	0.297 mm	No. 50
0.0098	0.250	250	0.250 mm	No. 60
0.0083	0.210	210	0.210 mm	No. 70
0.0070	0.177	177	0.177 mm	No. 80
0.0059	0.149	149	0.149 mm	No. 100
0.0049	0.125	125	0.125 mm	No. 120
0.0041	0.105	105	0.105 mm	No. 140
0.0035	0.088	88	0.088 mm	No. 170
0.0029	0.074	74	0.074 mm	No. 200
0.0025	0.063	63	0.063 mm	No. 230
0.0021	0.053	53	0.053 mm	No. 270
0.0017	0.044	44	0.044 mm	No. 325
0.0015	0.037	37	0.037 mm	No. 400