

Grades of Expanded Perlite & Perlite Particle Size



Particle size is one important factor in determining how expanded perlite works in a given application. The illustration below is meant to simplify the subject and indicate, in very general terms, some common perlite grades and how they relate to one another in particle size. Other factors such as physical structure and density can also be critical in certain applications but are not addressed herein.

U.S. MESH	INCHES	TYPICAL PERLITE APPLICATIONS	MICRONS	MM
2			10,000	10
3	.265		6730	6.73
4	.187		4760	4.76
5	.157		4000	4.00
6	.132		3360	3.36
7	.111		2830	2.83
8	.0937		2380	2.38
10	.0787		2000	2.00
12	.0661		1680	1.68
14	.0555		1410	1.41
16	.0469		1190	1.19
18	.0394		1000	1.00
20	.0331		841	.84
25	.0280		707	.71
30	.0232		595	.59
35	.0197		500	.50
40	.0165		420	.42
45	.0138		354	.35
50	.0117		297	.297
60	.0098		250	.250
70	.0083		210	.210
80	.0070		177	.177
100	.0059		149	.149
120	.0049		125	.125
140	.0041		105	.105
170	.0035		88	.088
200	.0029		74	.074
230	.0024		63	.062
270	.0021		53	.053
325	.0017		44	.044
400	.0015		37	.037
550	.0009		25	.025
			10	.010

