

Diamond Particle Size Chart

MESH SIZE	ISO SIZE DESIGN	MICRON RANGE	BUREAU OF STANDARD EQUIVALENT	MICRO FINISH	Ra/RHS FINISH
3.5			5,660	125	3.2
4			4,760		
5			4,000		
6			3,360		
7			2,830	100	2.5
8			2,380		
10			2,000		
12			1,680		
14			1,410		
16/18	1181		2,190	63	1.6
18/20	1001		1,000		
20/25	851		841	54-66	1.5
25/30	711		707		
30/35	601		595		
30/40	602		500	44-54	1.2
35/40	501		420		
35/40	502		354		
25/45	501		297		
40/45	426		154	36-44	0.9
40/50	427				
45/50	356				
45/60	357		250		
50/60	301				
55/70	302		210		
60/70	251				
60/80	252	181-255		30-36	0.8
70/80	213				
80/100	181	151-181	166	24-30	0.6
100/120	151	127-151	119	18-24	0.5
120/140	126	107-127	117		
140/170	107	90-107	99		
170/200	91	75-90	83		
200/230	76	65-75	70	15-25	0.4
230/270	64	80-120	100		
270/325	54	60-100	80		
325/400	46	54-80	67		

MESH SIZE	MICRON RANGE	BUREAU OF STANDARD EQUIVALENT	MICRO FINISH	Ra/RHS FINISH
400/500	40-60	50	12-22	0.35
520	40-50	45		
530	39-45	40		
550	30-40	35		
600	20-40	30	10-19	0.3
700	22-36	29		
800	20-30	25	8-12	0.25
900	20-25	23		
1,000	15-25	20	7-9	0.2
1,100	12-22	17		
1,200	10-20	15	4-6	0.15
1,300	10-18	14		
1,500	8-16	12	3-5	0.1
1,600	8-12	10		
1,800	6-12	9		
2,000	6-10	8		
2,200	5-10	7.50		
3,000	4-8	6		
4,000	4-6	5	2-3	0.6
5,000	2-6	4		
7,000	2-5	3.50		
8,000	2-4	3	1-2	0.05
10,000	2-3	2.50		
12,000	1-3	2		
12,500	.5-3	1.75		
13,000	1-2	1.50	0-1	0.025
14,000	.5-2	1.25		
15,000	0-2	1.00		
60,000	.25-1	0.625	0-1/	0.012
100,000	0-.5	0.250		
200,000	0-.25	0.125		
250,000	0-.20	0.100		