



Diamond Size Comparison

1 carat = 0.2 grams = 0.007 ounces

Diamond Sizes

U.S. Mesh	FEPA/DIN	Grit	Approximate		
			Micron	Particle Size	Pieces/Carat
20/25	D851	20	710/840	0.030	130
25/30	D711	24	590/710	0.025	220
30/35	D601	30	500/590	0.021	370
35/40	D501	36	420/500	0.017	620
40/50	D427	46	297/420	0.014	1430
50/60	D301	60	250/297	0.011	2260
60/80	D252	80	177/250	0.0085	6800
80/100	D181	100	149/177	0.0065	13,800
100/120	D151	120	125/149	0.0055	19,000
120/140	D126	140	105/125	0.0045	35,200
140/170	D107	150	88/105	0.0038	66,400
170/200	D91	180	74/88	0.0032	111,700
200/320	D76	220	62/74	0.0027	196,000
230/270	D64	240	53/62	0.0026	318,000
270/325	D54	320	44/53	0.0019	522,000
325/400	D46	400	37/44	0.0016	890,000

Micron Sizes

Micronized Grade #	Micron Range	Mesh Size Equivalent	Partical Size	Typical Finish	Pieces/Carat
45	36/54	450	0.0015	15.25 mic	
35	30/40	500	0.0014	10/15 mic	1,400,000
30	22/36	600	0.0012	7/9 mic	
25	20/30	800	0.0010	5/9 mic	8,400,000
20	15/25	1000	0.0008	4/8 mic	
17	15/20	1100	0.0007	4/7 mic	13,000,000
15	10/20	1200	0.0006	4/6 mic	
12	8/15	1500	0.0005	3/6 mic	47,000,000
9	6/12	1800	0.0003	3/5 mic	
6	4/8	3000	0.0001	2/3 mic	
4	2/6	6000		1/3 mic	
3	2/4	8500		1/2 mic	
2	1/3	9000		0/2 mic	
1	0/2	10000		0/1 mic	
1/2	0/1	25000		0/1/2 mic	
1/4	0/1/2	60000		0/1/4 mic	