



Synthetic Aventurine

Stunningly smooth and with its creamy coloring, aventurine is both classic and versatile. Speckled with flecks of gold mineral intended to perfectly replicate the shimmer of natural aventurine quartz, Preciosa

Synthetic Aventurine comes in two colors, blue and gold, and in a selection of round and flatback cuts.

Synthetic Aventurine

not suitable for lost-wax casting

Chemical composition (Blue): $\text{SiO}_2, \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{CaO}, \text{CuO} + \text{SnO} + \text{Fe}_2\text{O}_3 + \text{CoO}$

Chemical composition (Gold): $\text{SiO}_2, \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{CaO}, \text{CuO} + \text{SnO} + \text{Fe}_2\text{O}_3$

Chemical composition (Black): $\text{SiO}_2, \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{CaO}, \text{CuO} + \text{SnO} + \text{Fe}_2\text{O}_3 + \text{CoO} + \text{NiO}$

Hardness: 5-6° Mohs

Density: 2.58g/cm³

Heat resistance: 750 °C/1,382 °F

Colors



Gold



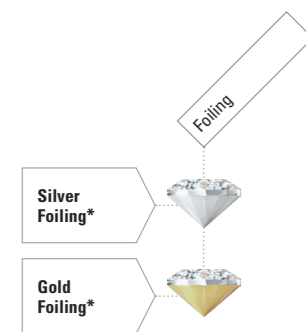
Blue



Black

Foiling

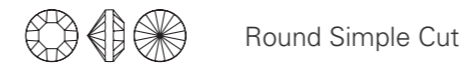
Foiling is the application of a reflective layer on the underside of the stone to maximize brilliance. Foiled stones are also suitable for gluing.



* Available on all colors.

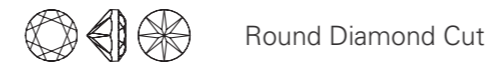
Round Cuts

Sizes, Weight and Packing Units



Round Simple Cut

Size	Blue	Gold	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
	MM	PIECES			
0.50	○	○	0.010	10,316	1,000
0.60	○	○	0.017	5,872	1,000

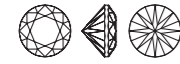


Round Diamond Cut

Size	Blue	Gold	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
	MM	PIECES			
0.70	●	●	0.028	3,567	1,000
0.75	○	○	0.034	2,982	1,000
0.80	●	●	0.040	2,511	1,000
0.85	○	○	0.047	2,132	1,000
0.90	●	●	0.054	1,835	1,000
0.95	○	○	0.063	1,590	1,000
1.00	●	●	0.074	1,353	1,000
1.05	○	○	0.084	1,189	1,000
1.10	●	●	0.095	1,049	1,000
1.15	○	○	0.107	931	1,000
1.20	●	●	0.123	812	1,000
1.25	●	●	0.137	728	1,000
1.30	●	●	0.153	655	1,000
1.35	○	○	0.169	592	1,000
1.40	●	●	0.194	516	1,000
1.45	○	○	0.213	470	1,000

LEGEND:

- Regular assortment
- Item available upon request



Round Brilliant Cut

Size	Blue	Gold	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES					
1.50	●	●	0.236	423	1,000
1.55	○	○	0.258	387	1,000
1.60	●	●	0.281	356	1,000
1.65	○	○	0.311	322	1,000
1.70	●	●	0.337	297	1,000
1.75	●	●	0.364	274	1,000
1.80	●	●	0.394	254	1,000
1.85	○	○	0.430	232	1,000
1.90	●	●	0.463	216	1,000
1.95	○	○	0.497	201	1,000
2.00	●	●	0.532	188	500
2.05	○	○	0.569	176	500
2.10	○	○	0.608	164	500
2.15	○	○	0.649	154	500
2.20	○	○	0.700	143	500
2.25	●	●	0.745	134	500
2.30	○	○	0.791	126	500
2.35	○	○	0.839	119	500
2.40	○	○	0.900	111	500
2.45	○	○	0.952	105	500
2.50	●	●	1.007	99	500
2.55	○	○	1.063	94	500
2.60	○	○	1.121	89	500
2.65	○	○	1.182	85	500
2.70	○	○	1.258	79	500
2.75	●	●	1.324	76	200
2.80	○	○	1.391	72	200
2.85	○	○	1.461	68	200
2.90	○	○	1.533	65	200
2.95	○	○	1.607	62	200
3.00	●	●	1.684	59	200
3.05	○	○	1.763	57	200
3.10	○	○	1.844	54	100
3.15	○	○	1.928	52	100
3.20	○	○	2.014	50	100
3.25	○	○	2.103	48	100
3.30	○	○	2.195	46	100
3.40	○	○	2.385	42	100
3.50	●	●	2.586	39	100
3.60	○	○	2.798	36	100
3.70	○	○	3.022	33	100
3.75	○	○	3.137	32	100
3.80	○	○	3.256	31	100
3.90	○	○	3.494	29	80
4.00	●	●	3.793	26	80
4.25	○	○	4.499	22	80
4.50	○	○	5.326	19	60
4.75	○	○	6.204	16	60
5.00	●	●	7.223	14	60

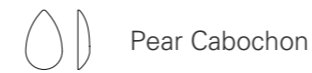
Size	Blue	Gold	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES					
5.25	○	○	8.294	12	60
5.50	○	○	9.524	10	60
5.75	○	○	10.805	9	60
6.00	○	○	12.267	8	50
6.25	○	○	13.778	7	50
6.50	●	●	15.492	7	50
6.75	○	○	17.251	6	50
7.00	●	●	19.236	5	35
7.25	○	○	21.263	5	35
7.50	○	○	23.539	4	35
7.75	○	○	25.853	4	35
8.00	●	●	28.440	4	35

Flatback Cuts

Sizes, Weight and Packing Units



Size	Blue	Gold	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES					
5.00×3.00	●	●	2.405	42	70
6.00×4.00	●	●	4.596	22	50
7.00×5.00	●	●	7.789	13	40



Size	Blue	Gold	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES					
5.00×3.00	●	●	2.143	47	70
6.00×4.00	●	●	4.157	24	50
7.00×5.00	●	●	7.127	14	40



Size	Blue	Gold	Black	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM PIECES						
1.50	●	●	●	0.220	454	200
2.00	○	○	○	0.494	203	200
3.00	●	●	●	1.668	60	100
4.00	○	○	○	3.956	25	80
5.00	●	●	●	7.728	13	70

LEGEND:

- Regular assortment
- Item available upon request