



Gemstones

Preciosa Gemstones are hand selected by our team of experts for their exceptional composition, lack of inclusions and optical impact. Meticulously cut and brought to life by our impeccable polishing, these genuine fine jewelry stones are an industry benchmark of quality and shine.

Genuine Red Garnet

suitable for lost-wax casting

Mined exclusively in the Czech Republic, these semi-precious gemstones range in shade from fiery crimson to blood red and are known for their exceptional ability to retain color over time. Preciosa Genuine Red Garnets come in a selection of our classic round cuts and are as timeless as they are elegant.

Chemical composition: $Mg_3Al_2(SiO_4)_3$

Structure: cubic

Hardness: 6.5-7.5° Mohs

Refractive index: 1.72-1.94

Heat resistance: 1,400 °C/2,552 °F

Genuine Black Spinel

suitable for lost-wax casting

Among the hardest and most durable of gemstones, black spinel is widely regarded as the premium opaque black gemstone by many of the world's top jewelers. Preciosa Genuine Black Spinel comes in our most popular round cuts and is the perfect for intricate designs.

Chemical composition: $MgO(Fe, Al)_2O_3$

Structure: Cubic

Hardness: 7.5-8° Mohs

Density: 3.8g/cm³

Heat resistance: 1,200 °C/2,192 °F

Genuine Marcasite

not suitable for lost-wax casting

With its silvery, gun-metal hue, marcasite is equal parts eye-catching and delicate. Available in three cuts: Rose, Square and Baguette, Preciosa Genuine Marcasite provides the perfect touch of sparkle to ornate or vintage inspired pieces.

Chemical composition: FeS_2 (Pyrite)

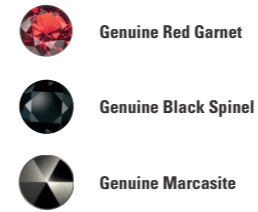
Structure: cubic

Hardness: 6-6.5° Mohs

Density: 4.9-5.2g/cm³

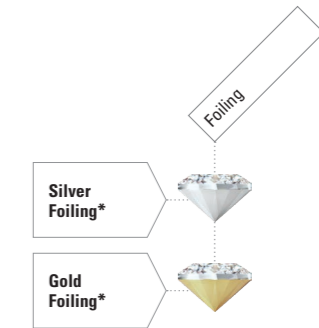
Heat resistance: 200 °C/392 °F

Colors



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 only on Genuine Red Garnet and Genuine Black Spinel.**

Genuine Red Garnet

Sizes, Weight and Packing Units



Genuine Red Garnet				
Size		Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM		PIECES		
0.50	○	0.014	7,207	1,000
0.60	○	0.024	4,103	1,000



Genuine Red Garnet				
Size		Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM		PIECES		
0.70	○	0.040	2,492	1,000
0.80	●	0.057	1,754	1,000
0.90	○	0.078	1,282	1,000
1.00	●	0.106	946	1,000
1.05	○	0.120	831	1,000
1.10	○	0.137	733	1,000
1.15	○	0.154	650	1,000
1.20	○	0.176	567	1,000
1.25	●	0.197	509	1,000
1.30	○	0.219	457	1,000
1.35	○	0.242	413	1,000
1.40	○	0.277	361	1,000
1.45	○	0.305	328	1,000



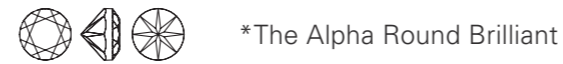
Genuine Red Garnet				
Size		Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM		PIECES		
1.50	●	0.338	296	1,000
1.55	○	0.369	271	1,000
1.60	○	0.402	249	1,000
1.65	○	0.445	225	1,000
1.70	○	0.482	207	1,000
1.75	●	0.522	192	1,000
1.80	○	0.563	178	1,000
1.85	○	0.616	162	1,000
1.90	○	0.663	151	1,000
1.95	○	0.711	141	1,000
2.00	●	0.762	131	500
2.05	○	0.815	123	500
2.10	○	0.870	115	500
2.15	○	0.929	108	500
2.20	○	1.002	100	500
2.25	●	1.066	94	500
2.30	○	1.132	88	500
2.35	○	1.201	83	500
2.40	○	1.288	78	500
2.45	○	1.363	73	500
2.50	●	1.441	69	500
2.55	○	1.521	66	500
2.60	○	1.605	62	500
2.65	○	1.692	59	500
2.70	○	1.801	56	500
2.75	○	1.895	53	200
2.80	○	1.991	50	200
2.85	○	2.091	48	200
2.90	○	2.194	46	200
2.95	○	2.300	43	200
3.00	●	2.410	41	200

Genuine Black Spinel

Sizes, Weight and Packing Units



Genuine Black Spinel				
Size		Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM		PIECES		
0.50	○	0.014	7,112	1,000
0.60	○	0.025	4,049	1,000



Genuine Black Spinel				
Size		Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM		PIECES		
0.70	●	0.041	2,459	1,000
0.80	●	0.058	1,731	1,000
0.90	●	0.079	1,265	1,000
1.00	●	0.107	933	1,000
1.05	○	0.122	820	1,000
1.10	●	0.138	723	1,000
1.15	○	0.156	642	1,000
1.20	●	0.179	560	1,000
1.25	●	0.199	502	1,000
1.30	●	0.222	451	1,000
1.35	○	0.245	408	1,000
1.40	●	0.281	356	1,000
1.45	○	0.309	324	1,000



Genuine Black Spinel				
Size		Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM		PIECES		
1.50	●	0.343	292	1,000
1.55	○	0.374	267	1,000
1.60	●	0.408	245	1,000
1.65	○	0.451	222	1,000
1.70	●	0.489	205	1,000
1.75	●	0.529	189	1,000
1.80	●	0.571	175	1,000
1.85	○	0.624	160	1,000
1.90	●	0.671	149	1,000
1.95	○	0.720	139	1,000
2.00	●	0.772	130	500
2.05	○	0.826	121	500
2.10	○	0.882	113	500
2.15	○	0.941	106	500
2.20	○	1.015	98	500
2.25	●	1.080	93	500
2.30	○	1.147	87	500
2.35	○	1.217	82	500
2.40	○	1.305	77	500
2.45	○	1.381	72	500
2.50	●	1.460	68	500
2.55	○	1.542	65	500
2.60	○	1.626	61	500
2.65	○	1.714	58	500
2.70	○	1.825	55	500
2.75	○	1.920	52	200
2.80	○	2.018	50	200
2.85	○	2.119	47	200
2.90	○	2.223	45	200
2.95	○	2.331	43	200
3.00	●	2.442	41	200

LEGEND:

- Regular assortment
- Item available upon request
- *LE only upon special request

Genuine Marcasite

Sizes, Weight and Packing Units



Marcasite Rose

Size		Marcasite	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM	PP		PIECES		
0.95	2	●	0.094	1,060	2,000
1.05	3	●	0.130	772	2,000
1.15	4	●	0.152	658	2,000
1.25	5	●	0.200	499	2,000
1.33	6	●	0.251	399	2,000
1.38	7	●	0.297	337	2,000
1.45	8	●	0.325	308	2,000
1.55	9	●	0.380	263	2,000
1.65	10	●	0.449	223	2,000
1.75	11	●	0.494	203	1,000
1.85	12	●	0.538	186	1,000
1.95	13	●	0.649	154	1,000
2.05	14	●	0.699	143	1,000
2.15	15	●	0.747	134	1,000
2.25	16	●	0.888	113	1,000



Marcasite Square

Size	Marcasite	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM		PIECES		
1.20	●	0.332	301	1,000
1.30	●	0.419	239	1,000
1.40	●	0.475	211	1,000
1.50	●	0.532	188	1,000
1.60	●	0.650	154	1,000
1.70	●	0.716	140	1,000
1.80	●	0.859	116	1,000
1.90	●	0.934	107	1,000
2.00	●	1.105	91	1,000
2.10	●	1.190	84	1,000



Marcasite Baguette

Size	Marcasite	Approx. wt of 100 pcs	Approx. pcs per 1 gram	Packg. unit
MM		PIECES		
2.20 × 1.20	●	0.475	211	1,000
2.30 × 1.30	●	0.528	189	1,000
2.40 × 1.40	●	0.598	167	1,000
2.50 × 1.50	●	0.673	149	1,000

LEGEND:

- Regular assortment
- Item available upon request