## Warning: this version has been completed with Google Translate , it certainly contains errors or inaccuracies.

## Technical sheet - general: Aventurine (quartz)

Clarity - characteristics	<b>Typical inclusions: mica</b> flakes, fuchsite chromium-mica plates, <b>hematite</b> etc. Dyeing is used to produce low-cost cabochons with bright colors often seen in inexpensive jewelry. The <b>name</b> "aventurine" <b>may be inappropriate</b> , but it is used due to its greater market appeal than "translucent quartz" or other appropriate names. Sometimes, inclusions of golden metallic pyrite can also cause a sparkle effect. Many of the				
Durability	Hardness (Mohs) Absolute 6.5-7; 86-100	- Toughness Good to fragile	Sta	<b>bility</b> (heat, light, chemicals) Good	
Fracture	Flaking Absent	Breaking- Parting Generally absent		Fracture oncoidal, chipped	
Fracturo	Elakina	Broaking Parting	Light bands	around 649 nm and 682 nm. Not indicative	
formula	SiO 2		700 650 600 550 500 450 400		
Chemical	•••	oxide (plus impurities)	Spec	trometer image	
Form	Crystalline dress Massive Melting point: 1 ° C	Phenomenal optical effect Adventurescence (from green n (fuchsite) plate inclusions)			
Light	Vitreous - vitreous 0.013 (generally not de		sphorescence		
	_	(Usually undetectable) er) - luster of the fracture	Dis	persion (fire)	
Optical properties	Specific Gravity: 2.64-2.69 Common: 2.66	<b>RI:</b> 1,544 to 1,553 <b>Polariscope</b> : DR / ADD <b>Double refraction:</b> 0.007 to 0.010	<b>Characte</b> <b>r optical</b> Positive uniaxial	<b>Pleochroism</b> NO	
Classification	Mineral class Silicates	<b>Species</b> - Group (mineral) Quartz - /	Quar	Variety tzite - Aventurine	
Cause of Color	Feldspar).   Its appearance is due to the presence, in the colorless quartz substance, of other minerals ( mica flakes, fuchsite chromium-mica plates, hematite, etc. ), which can always be observed with the aid of a microscope, and sometimes with a lens. simple, or with the naked eye.   Allochromatic Gem				
	A variety of generally translucent, fine-grained to compact quartzite / quartzite, the surface of which has a speckled metallic luster. It is often sold in the form of beads or tumbled stone which has a color between <b>light green and medium</b> <b>green</b> . Aventurine can <b>also be of other colors</b> (reddish brown, but occasionally yellow, white or blue) but is <b>typically green</b> . The term itself is used to indicate different types of stones (for example Aventurine Folder art)				
Colors (GIA)	(French - Aventurine) (Spanish - Aventurina) (Portuguese - Aventurina) (Thai - อ เวน เจอ รี น ควอต X wen ce xrīn khwxts')	র্ষ্ট dōng líng yù ) ( <b>Swahili</b> - Quartz ya Aventurine) ( <b>Hindi</b> - एवेंट्यूरिन कार्ट्ज eventyoorin kvaartj	hí )		
Gemma - names	( Italian - Avventurina (English - Aventurine)	) ( German - Aventurin-Quarz ) ( Arabic - الكوارتز أفينتورين 'afinturin alkuartiz	.)	photo	

	common inclusions, such as <b>hematite</b> , <b>ilmenite and</b> <b>goethite</b> , have a higher specific gravity than quartz. If they are abundant, they can give avventurine <b>a</b>		
	specific gravity higher than that commonly indicated for this mineral . Abundant inclusions weaken the material and result in a lower apparent		
	hardness. Guy	Transparency (commercial) - transparency	
	NA	Translucent to opaque	
Deposits -	Found both in primary deposits and as loose pebbles, it can be collected as a secondary		
types of rocks	product in deposits of other minerals. <b>Geological age</b> : 300+ million years		
Characteristics of rough stones	Generally collected in pebbles of irregular shape and size.		
Main deposits	Austria (Styria / Mariazell), Canada (Ontario), Chile, China (Xinjiang,), Czech Republic (Liberec Region), Germany (Black Forest, Baden-Württemberg, Saxony), India (Andhra Pradesh, Karnataka, Tamil Nadu), Japan (Niigata prefectura), Slovakia (Region of Bratislava, Region of Košice), Spain, South Africa (Limpopo, Mpumalanga), USA (Arkansas, Nebraska, Vermont, Virginia, Wisconsin),		
Year of discovery	<b>1837:</b> It was first reported in 1837 by a mineralogist named JD Dan (there are no verifiable references to his name).		
History	known primitive tools were composed of quartz (of any kind). nade of this mineral, there are those found in <b>the Omo valley</b> , in tools recovered in this locality date back <b>to more than two and a</b> and were built with <b>aventurine quartz</b> , an excellent material for		
	The <b>ancient Egyptians</b> optical properties to the centuries. The Egyptian revived over the centur The production in Mura is "practically exhausted banned. <b>Philipp Hainhofer (1578</b> end of the 16th centur Pomerania-Szczecin. C	thanks to its excellent hardness. had already learned how to make a type of glass with similar those that were used to create aventurine glass in the last 2 in recipe for creating this material has, however, been lost and ries. no of the type of glass, from which the quartz variety got its name, ed" due to the harmful substances used in its manufacture, now <b>B</b> - 1647), a German polyglot scholar who studied in Italy at the typ, was commissioned to find luxury items for Duke Philip II of carrying out this task, he described in his treatise <b>Pommeranische</b> of Art of Pomerania) of 1617, some luxury objects present in the	
	Florence of the time. crockery. According to beautiful as emerald of Germany. In April 1614 "alchemist" named Luc England and France, gemstones. The Throne made of <b>a new artific</b> <b>aventurine</b> . Throne pre- time, Aventurine was p	Among them, alabaster, glass paste and aventurine (glass) to Hainhofer, such furnishings were made in Pisa, they were and heavy as lead, and they were something extraordinary in (and later), Hainhofer wrote about a Venetian nobleman and the Trono (Tron), who had contact with many princes in Germany, and who sold them jewels with natural or (mainly) artificial to block included earrings, rosaries, necklaces and a small bowl tial stone with golden stars inside. This could only have been betended to have melted a glass himself, by pure chance. At the probably a very recent "invention" and Hainhofer's letters provide liest written proof of its existence.	
	The Swiss watch comp imitation) on some of Megaquartz Stardust, in Name : From the Italia ( aventurine glass, i.e. g the beginning of the 18 accidentally produced	any Omega began putting aventurine dials (generally the glass its models, most notably the one called Omega Constellation .	
	which exhibited a simil		
Property attributed	Aventurine is, primarily,	the <b>stone of prosperity</b> . This crystal attracts abundance into life, aspiring you to foster desirable qualities and to do the inner work	

	needed to embody the best self: <b>the self that is capable and worthy of living a prosperous life</b> . Aventurine encourages you to embrace strong and trustworthy			
	leadership qualities. It is thought to stimulate dreams and have a positive effect <b>on psychic abilities</b> . This crystal also helps you enjoy life while sharing your energy and			
	experiences with those around you. In addition, it improves resilience, relieves			
	professional performance anxiety and stimulates mental clarity, creativity and			
	<b>compassion</b> . On a more physical level, it promotes the healthy functioning of <b>the thymus</b>			
	<b>gland</b> (located in the chest), also supporting the nervous system, balances blood pressure and contributes to lowering cholesterol. It is also said to help with weight loss or			
	gain by stimulating a healthy metabolic rate.			
	Planet: Mercury, Venus			
	Month: August Zodiac sign: Aries, Leo			
	Chakra: Heart			
Treatments	Aventurine is an inexpensive and popular material for making tumbled stones. If the mica particles are small, a smooth, shiny finish can be achieved, while larger mica particles tend to give the polished stones a pitted appearance. <b>Aluminum oxide, cerium oxide, and tin oxide</b> all produce a bright glaze on aventurine.			
	It is also often treated with oil to bring out the vibrancy and impart a darker color and			
	make it more attractive. It is possible that it is subjected to a dyeing process, to increase			
	its color, but even in this case it is not a prevalent intervention.			
Synthetic	There is no real synthetic aventurine, but aventurine glass, a man-made product that			
counterpart	resembles natural aventurine but has an even finer appearance, is frequently found in jewelery and mineral stores. It is obtained from a colorless glass inside which there are			
	numerous <b>small red octahedra (solid)</b> , made of metallic copper, whose faces are			
	equilateral triangles. Its hardness is considerably lower than that of aventurine glass (4.5			
	/ 5 against 7 of natural stone). The shape of the inclusions, easily identifiable with a lens,			
	clearly distinguishes it in all cases from natural aventurine and sunstone (a feldspar with			
ll a sur la a	a similar optical effect).			
It can be confused with	Aventurine feldspar or <b>sunstone</b> can be confused with orange and red aventurine quartzite, although the former is generally of greater transparency. Aventurine is often characterized by an overabundance of fuchsite, sometimes opaque with light and dark bands, which can also be mistaken for <b>malachite</b> . In both cases, a simple gemological examination (RI, birefringence, appearance, microscope examination) can distinguish them. Another common imitation is the <b>golden stone</b> (goldstone in English or Goldfluß in			
	German). It is visually distinguished from aventurine and sunstone by its coarse copper			
	flakes, dispersed inside the glass in an unnaturally uniform way. It is usually a golden- brown color, but it can also be blue or green. There are a handful of other gems that may look similar to Aventurine, including <b>variscite</b> , chrysoprase, green chalcedony, and amazonite. However, most of these are			
	easily distinguishable through a simple scratch test and inspection of colors or inclusions.			
	Rarely, it can be passed off as <b>jadeite or nephrite</b> (jade). Again, simple routine tests can			
Indicative	easily separate it from the minerals it intends to mimic.			
gemological tests	It exhibits a reddish color when viewed through the chelsea filter . It has the typical features of quartz, generally with less transparency. Standard tests, starting from simple			
	observation, can help identify both natural quartzite and its imitations.			
Value (2021)	High : 5+ \$ / ctMedium: 2- 5 \$ / ctLow: 0.5-1 \$ / ctGreat / good piecesMedium size / quality piecesSmall pieces			
Typical cut	Most of the material is carved in beads, tumbled stones or figurines. Only the finest quality			
	stones are molded into cabochons and set into jewels.			
Famous stones	An aventurine quartz (salmon-colored) hand seal with jewels was created by Fabergé, Moscow, and dates from around 1890.			
Record stones	There are aventurine blocks of various kilos. However, the weight of the largest piece			
	ever recovered is unknown.			