
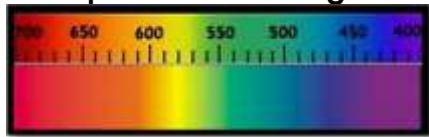


**Warning: this version was completed with Google Translate, it certainly contains errors or inaccuracies.**

## Technical data sheet - general: Shungite

<b>Gemma – names</b>	( <b>Italian</b> - Shungite) ( <b>English</b> - Shungite) ( <b>French</b> : Schungite) ( <b>Spanish</b> : Shungita) ( <b>Portuguese</b> : Xungite) ( <b>Thai</b> : ชุงกิต chungkit)	( <b>German</b> : Shungit) ( <b>Arabic</b> : شونجيت shungite) ( <b>Russian</b> : Шунгит shungit) ( <b>Mandarin</b> : 顺吉特 Shùnjítè) ( <b>Swahili</b> : Shungite) ( <b>Hindi</b> : शुंगाइट śu ṅā'ī ṭ a)	<b>photo</b> 
<b>Colors (GIA)</b>	Typically black with a look deep and lustrous , with a submetallic luster (based on quality ) . may vary slightly in the shades of black , but in general it has a uniform color. In raw form , it tends to be grey .		
<b>Cause of Color</b>	Shungite is typically black due to its rich composition of carbon and other minerals. <b>Allochromatic Gem</b>		
<b>Classification</b>	<b>Mineral class</b> Carbonates/Nitrates	<b>Species – Group (mineral)</b> Carbon – Pyrobitumene or saprolite	<b>Variety</b> Shungite
<b>Optical properties</b>	<b>Specific Gravity:</b> 1.90 and 2.31 <b>Municipality:</b> 2.10	<b>RE:</b> 1.8 <b>Polariscope :</b> / <b>Birefringence:</b> Not measurable	<b>Character optical</b> Absent
	<b>Luster (luster) – luster of the fracture</b> Waxy to sub-metallic - vitreous		<b>Pleochroism</b> Absent
<b>Light</b>	<b>Fluorescence</b> SWUV (254 nm) : Absent LWUV (365nm) : Absent		<b>Dispersion (fire)</b> NA
<b>Form</b>	<b>Crystalline dress</b> Not present <b>Melting point:</b> °C	<b>Phenomenal optical effects</b> NO	<b>Crystalline system</b> Amorphous <b>Crystal class</b>
<b>Chemical formula</b>	<b>C</b> 60 – 98 <b>H</b> 4 – 6 <b>O</b> 8 – 10 <b>N</b> 0.1–0.2 <b>S</b> 0.2–0.3 with traces of hydrogen, oxygen, nitrogen and sulphur.		<b>Spectrometer image</b>  Not available
<b>Fracture</b>	<b>Flaking</b> Absent	<b>Breakup- Parting</b> Absent	<b>Fracture</b> Conchoidal
<b>Durability</b>	<b>Hardness (Mohs) - Absolute</b> 3.5-4, 15-21	<b>Toughness</b> Fragile	<b>Stability</b> (heat, light, chemicals) Stable
<b>Clarity - characteristics</b>	Opaque gem, the internal characteristics have no importance from a gemological point of view. On the surface, shungite is generally uniform, but may have veins, dots or other designs on the outside. Shungite often contains <b>Quartz which appears as small strips</b> whitish is in the specimens rough than in those worked . Others minerals , such as pyrite , can to be present on surface.		
	<b>Guy</b> NA	<b>Transparency (commercial) - diaphanity</b> Opaque	
<b>Deposits - types of rocks</b>	Shungite has historically been considered an example of abiogenic oil formation, but its biological origin has now been confirmed. It lies stratigraphically directly above deposits that formed in a shallow-water carbonate platform in a nonmarine evaporitic environment. The shungite-containing sequence is thought to have been deposited during active rifting, consistent with alkaline volcanic rocks found within the sequence. The organic-rich sediments were likely deposited in a brackish lagoon, indicating high levels of biological productivity.		

	<p>Shungite-containing deposits that preserve sedimentary structures are interpreted as <b>metamorphosed source rocks</b> . Some mushroom-shaped structures have been interpreted as possible mud volcanoes. The layered and veined varieties of shungite, and the shungite that fills the cavities and forms the <b>matrix of the breccias</b> , are interpreted as <b>migrated oil</b> , now in the form of <b>metamorphosed bitumen</b> . Solid bituminous shungite is predominantly amorphous, although <b>it contains traces of carbon allotropes such as graphene sheets and fullerenes</b> .</p> <p>There are several theories that explain its origin. Some believe that it derives from <b>marine sediments</b> enriched by the organic remains of ancient organisms. Another hypothesis sees it as arising from the "destruction theory" proposed by German astronomer Heinrich Olbers, who believed that another object <b>once orbited between Jupiter and Mars</b> , forming the asteroid belt. Although this theory has fallen into disuse in favor of the "accretion theory", some continue to think that this stone was formed by a meteorite that fell to earth after the destruction of this hypothetical celestial body. Another theory is that it may have formed due to <b>volcanic emissions</b> as its composition is similar to other lava materials. Finally, the official version, sees this mineral as a carbon-rich material, similar to pyropitume, either a <b>Precambrian oil shale or metamorphosed sapropelite deposit of algal origin</b> , both mainly limited to the Karelia region of Russia.</p> <p>The Shunga deposit contains an estimated total carbon reserve of <b>more than 250 gigatons</b> .</p> <p><b>Geological age</b> : up to 2 billion years</p>
<p><b>Characteristics of rough stones</b></p>	<p>Amorphous or angular crystals without a recurring shape.</p>
<p><b>Main depots</b></p>	<p>The main Shungite deposit area is located in the area of Lake Onega, in Karelia, near <b>Zazhoginskoye</b> , near Shunga but also in Buryatia Oblast and that of Chelyabinsk . Other occurrences minors I am stay reported in Russia , <b>Austria ( Salzburg , Styria , Tyrol )</b> , <b>China</b> (Yunnan) and <b>India</b> (Andhra Pradesh), in <b>Republic Democratic Congo</b> ( Haut -Katanga), <b>USA</b> (Michigan) <b>and Kazakhstan</b> ( Jetisu ) .</p>
<p><b>Year of discovery</b></p>	<p><b>1879:</b> n 1879, Inostranzev described the substance for the first time black and shiny , composed mainly of carbon (about 98 % by weight), found in the form of veins and layers near Shunga , in the village area homonym located on Lake Onega, in Republic of Karelia, region northern from the Russia .</p>
<p><b>History</b></p>	<p>After withdraw of the ice <b>of the last ice age about 8,000-9,000 years ago</b> , the first settlers settled around Lake Onega in Karelia. On the shore oriental , where the largest collection of <b>engravings</b> is located <b>rock formations</b> , the evidence of these resides ancient populations . Lake Onega is sacred to <b>Sami shamans</b> . It is a place of power where the waters very pure I am witnesses silent of their ceremonies private . "The engravings they depict scenes mythological sculpted come on peoples Finno-Ugric . While The meaning of the symbols remain largely a mystery , they show themes of nature with patterns anthropomorphic , with particular Attention to birds aquatics , in particular The swan . Different you dig archaeological around the lake they have carried homes and sites brought to light sacred ( labyrinths , burial sites and sacred stones ) . These places they were particularly important for the Sami people , whose pagan religion was rooted in shamanism and animism . It is believed that they considered Lake Onega is a sacred place . Shungite appears as one of the materials chosen in those nearby , precisely for millennia before the present era.</p> <p>Late 16th century :</p> <ul style="list-style-type: none"> <li>• The healing properties of shungite I am were first recorded during reign of Ivan The Terrible .</li> <li>• Martha, Ivan 's widow , uses Shungite water for healing after being was falsely accused by Boris Gudinov and banned.</li> <li>• This period marks the emergence of potential medicinal use from the shungite , in particular in aiding Martha 's recovery .</li> </ul> <p>Early 17th century :</p> <ul style="list-style-type: none"> <li>• Martha 's recovery with shungite water allows The his reunion with his son , Mikhail Romanov.</li> <li>• Mikhail Romanov becomes the first tsar of Romanov dynasty in 1613, scoring the association live from the shungite with the rise of the Romanovs.</li> <li>• Use of shungite water earn importance in the history snores for his perceive healing properties and the his role in the ascent from the Romanov dynasty .</li> </ul> <p>Early 18th century :</p>

- Peter the Great orders construction from the Marcial Baths in 1713 near Lake Onega, using Shungite water . During the his kingdom , shungite was used in the construction of the Black and Baltic Sea shipping canal .
- This decree underlines The recognition by Pietro of attributes curative from the shungite and its incorporation into significant constructions such as the Marcial Baths .

Late 18th century :

- The Marcial Baths suffered a fire in 1780, leading to the loss of the wooden buildings from the spa .

In the 19th century ,

- shungite was used to filter water in vicinity of Karelia due to his absorption and filtration properties .

20th century :

- Research scientific on property from the Shungite intensifies, focusing in particular on the fullerenes present in the mineral .
- The structure is discovered molecular unique from the shungite containing buckyballs , explaining its potential quality of stimulation of life and healing properties .
- The interest in stone faded after the death of Peter the Great until 1930 scientists Russians they began new studies that unfortunately they were interrupted due to the war. In the 1960s a notable increase in interest gave I start new ones research that continues today , especially after the discovery of the fullerenes natural .

Today :

- The exploration scientific research continues on applications from the shungite , including nanotechnology , medicine and science of the materials .
- Shungite earn level popularity global for his potential health benefits , radiation protection electromagnetic and various properties metaphysical .
- The appeal gemological from the shungite increases, leading to its usage in the creation of jewellery , sculptures and objects decorative , even though it is not a stone precious traditional .

**Name** : Origin and discovery: Shungite was discovered in the village of Shunga in the Karelia region, Russia, around the 18th century. Shungite takes the first name from the Shunga village , located in the Karelia region , Russia , where she has been described for the first time. It 's a group diversity of rocks Precambrian metamorphic , all containing **pyrobitume** , or the pyrobitumen same within these rocks .

**Other trade names:** Schungite, Gemstone, Karellian stone, Miracle stone

**Variety** :

1. Type I Shungite (or shungite **elite** /elite shungite / shungite **noble** ):
  - Carbon Content : Carbon content more high , often above 98%.
  - Very light , appears with a submetallic luster and fracture lines conchoidal in state raw .
  - Fullerenes : Contains a significant amount of fullerenes , which are carbon molecules unique with a cage -shaped structure .
  - Properties : Considered the most precious for its potential healing and protective properties .
  - Uses : Preferred for producing shungite water for consumption , purification systems of water and practices metaphysical .
  - Availability : Relatively rare compared to other types of shungite .
2. Shungite Type II :
  - Carbon Content : Lower compared to Type I, generally between 35 % and 70 %.
  - Fullerenes : Contains less fullerenes respect at the Type I shungite .
  - Properties : Again considered shungite but may not show the same powerful healing properties of Type I.
  - Uses : Used in applications industrial , such as building materials and shielding electromagnetic .
  - Availability : More common respect at the Type I shungite but less valuable in terms of properties metaphysical and healing.
3. Type III Shungite :
  - Carbon Content : More Bass between types, usually less than 35%.

	<ul style="list-style-type: none"> <li>• Fullerenes : Contains few fullerene respect at the Type I and Type II shungite .</li> <li>• Properties : Mainly used for purposes industrial due to her minor carbon concentration .</li> <li>• Uses : Used in purification systems water , building materials and screening electromagnetic .</li> <li>• Availability : Shungite type more plentiful but less valuable for applications metaphysical and healing.</li> </ul> <p>Overall , <b>Type I shungite is very wanted</b> for his rich carbon content , significant concentration of fullerene and powerful attributes curative . Type II shungite is more common and suitable for uses industrial , while Type III shungite, with the his carbon content more low , it is mainly used in non- medicinal applications such as construction and manufacturing . Finally , there is another type of stone that has percentages of carbon even more organic low and is known as <b>Shungite rock</b> .</p>
<p><b>Attributed properties</b></p>	<p><b>Magnetism:</b> Shungite p</p> <p><b>associated therapeutic properties :</b></p> <p>Shungite is often associated with purported health-promoting properties, such as the ability to block 5G radiation and improve overall well-being. However , these affirmations I am controversial , they are missing , as often it happens , experiments independent and reliable ones that prove or disprove such affirmations .</p> <p>In short, shungite has a history interesting and controversial , with a mix of beliefs traditional and pseudoscientific . While some they appreciate his beauty and his connection with the story Russian , it is important to treat the claims with caution on the her effectiveness for health and technology.</p> <ol style="list-style-type: none"> <li>1. <b>Traditions Russian</b> : Nella tradition Russian , shungite is considered a talisman protective against negative energies and influences harmful .</li> <li>2. Potential health benefits : Some people believe that shungite have healing properties , including the ability to improve The well being physical and mental , reduce stress and protect from radiation electromagnetic .</li> <li>3. Use <b>as jewelry</b> : Shungite is sometimes transformed into jewelry such as necklaces , bracelets and rings , and worn for its supposed properties beneficial .</li> </ol> <p>Here is a detailed list of the health benefits Associates at the shungite :</p> <p><b>Skin Health</b> : Products enriched with shungite , like creams and soaps , are used to promote Health of the skin. Can help reduce inflammation , soothe irritation and support regeneration skin , benefiting conditions such as acne , eczema and dermatitis .</p> <p><b>Balancing of Energy</b> : It is believed that shungite balance and harmonize the fields energy in the body . He comes often used in healing practices energy to align the chakras , eliminate blockages and improve The flow energetic overall .</p> <p><b>Radiation Protection Electromagnetic</b> : It is believed that shungite absorb and neutralize radiation electromagnetic radiation ( EMF) from devices electronic devices such as telephones cell phones , computers and routers Wifi . This EMF protection can reduce potential health risks Associates to the exhibition prolonged to EMFs.</p> <p><b>Joint and Muscle Support</b> : Some people use Shungite -based products , such as creams or balms , for support joint and muscle . Can help relieve The pain , inflammation and stiffness associated with arthritis , rheumatism and sports injuries .</p> <p><b>Benefits for the Circulatory System</b> : It is believed that shungite supports Health cardiovascular promoting circulation healthy blood , regulating pressure blood and reducing The risk of clots blood vessels and accumulation of arterial plaque .</p> <p><b>Scarring from the Wounds</b> : The properties antimicrobial of the shungite make it useful for healing from the wounds . Can help prevent infections , reduce inflammation and promote healing more rapid cuts , burns and abrasions .</p> <p><b>Respiratory System</b> : Some people use shungite to improve respiratory health . It is believed have effects anti-inflammatories that can relieve symptoms of respiratory conditions such as asthma, bronchitis and allergies .</p> <p><b>Stress Management</b> : Shungite is associated with effects calming and grounding , beneficial for reducing stress, anxiety and agitation . Can help promote The relaxation and clarity mental .</p> <p><b>Digestive Health</b> : The properties detoxifying of the shungite extend to the digestive system, where can help clean the colon , improve digestion and relieve The unease gastrointestinal .</p>

**Immune System Support** : The properties antioxidants of the shungite can to support the immune system protecting cells come on damage caused come on radicals free . That is can improve immunity overall and resilience against infections .

**Detoxification** : It is believed that shungite help in the detoxification binding to toxins and pollutants , helping The body to eliminate them more effective . This can benefit various systems , including The liver and kidneys .

**Clarity Mental** : The grounding and calming effects of the shungite I am considered useful for improving clarity mental , concentration and memory. Can help reduce confusion mental , improve memory and support cognitive functions .

**Sleep Quality** : Some people use shungite to improve sleep quality and promote sleep restful . Its calming influence can help reduce insomnia , disorders nocturnal and anxiety linked to sleep .

These health benefits I am Often attributed at property unique of the shungite , also for his carbon content , fullerenes and composition mineral .

**Purification of water** : Shungite is widely known for his ability to purify water removing impurities such as chlorine, metals heavy , bacteria and compounds organic . It acts as a natural filter , making the water more safe and healthy for consumption .

**Property Antioxidants** : Shungite contains fullerenes , carbon molecules unique with properties antioxidants . These antioxidants they help neutralize radicals free in the body , reducing oxidative stress and potentially lowering The risk of disease chronic .

Esoteric qualities associated with this stone

The healing properties of this material they bring different benefits to the body human . Here you are some of the ways in which shungite can help The body physicist .

- **Leather** : it is a powerful one antioxidant with properties antibacterial That can reduce damage skin like those provoked from irradiation .
- **Pain Relief** : Thank **you** at his property anti-inflammatory , shungite can reduce The pain in various parts of the body .
- **Circulatory system** : Shungite can help regulate pressure blood in people with hypertension .
- **Anti-inflammatory** : Gli effects anti-inflammatories can reduce swelling , pain and fever .
- **Detoxification** : It is known for its ability to detoxify and purify water , making it more clean and healthy to drink .
- **Protection** : Wearing Shungite jewelry , yes can to be protected give her radiation electromagnetic harmful .
- **Benefits emotional** : Beyond to the benefits physicalthis myeraoid offers benefits emotional .
- **Stress** : It is known to relieve stress and promote mental calm .
- **Clarity mental** : black is known for its ability to clarify the mind.
- **Insomnia** : it can Promote a peaceful and restful sleep .
- **Property metaphysical** : Some his property metaphysical include cleaning energy , protection against negative energies , amplification of the healing energy of others stones and the support at the development from the ability psychic .
- **Energy** : It is a powerful purifier of negative energy and brings positive energy .
- **Protection** : protects from negative energies and harms entities harmful .
- **Amplification energetic** : Shungite amplifies the healing energy of others stones .
- **Ability psychic** : can help in development from the ability psychic and of wisdom spiritual .
- **Good luck** : it can to interrupt cycles negatives and bring good luck to those who bear it.
- **Meditation and spiritual growth** : When used in meditation, it can help eliminate negative energy and promote peace and calm. It can also help amplify the healing energy of other crystals and stones.
- **Grounding** : Meditating with this stone can help you connect to the earth when you feel lost or groundless. Shungite's grounding energy can help you calm and center yourself, making it easier to focus and connect with your spiritual side.

**Planet:** Saturn

**Month:** NA **Zodiac sign:** Scorpio, Cancer, Capricorn

**Chakras:** Everyone

<b>Treatments</b>	Shungite is treated for improvement appearance or properties . Furthermore , some specimens can go up treatments to enhance shielding properties electromagnetic , making them more effective in the protection against radiation harmful .		
<b>Synthetic counterpart</b>	In the present time (2024), there is no version synthetic shungite available on the market . This is a mineral natural , and his property they are not unique stay replicated successfully shortly . Therefore , any product it claims to be shungite synthetic should be viewed with skepticism .		
<b>May be confused with</b>	Can to be sometimes confused with others minerals black , like the <b>tourmaline black</b> or <b>obsidian black</b> , due to their similarity appearance . However , shungite is distinguishable by its properties and composition unique , especially for the top carbon content and the <b>ability to conduct electricity</b> . The characteristics of these stones , level gemological , I am too different ( just the appearance should suggest caution), from a gemological point of view and theirs separation can to be carried out with very simple tests.		
<b>Indicative gemological tests</b>	<p>Much of the material on sale is not authentic.</p> <p>Shungite is excellent <b>conductor of electricity</b> , this property can be verified with a tester . Many from the imitations I am electrically insulators .</p> <p>To verify authenticity from the Raw elite shungite (type I) is required evaluate its solidity . Elite shungite is a material Very crumbly . It is also sometimes called carbon glassy . So , if a stone breaks into small pieces in your hands , it is authentic shungite . This holds true only for raw elite shungite stones since shungite regular (types II and III) has a structure rather solid . Furthermore , any further processing increases solidity of the object . Shungite stones regular is smooth that they cannot <b>leave small black stains on clothes and on the skin</b> . The reason is the height carbon content in the composition from the shungite . Therefore , it is a property natural mineral and can be a further one <b>sign verifiable of the authenticity of the product</b> . To eliminate this black residue , simply wash them shungite objects thoroughly with hot running water . This is especially important for pendants or others objects with holes or pores where the dust of this mineral post production can nestle . If shungite products do not dirty your hands or clothes , it still does not mean that they are made of shungite stones false .</p> <p>Shungite stones regular I am more available . The portion greater than this material is still being extracted in the Republic of Karelia while elite type deposits are Really scarce . Even if the <b>black color is a distinctive sign</b> , can be impure and often shows an infusion of spots brown , gray or golden . These I am infusions of others minerals , for example , <b>pyrite</b> for the color gold .</p> <p>Therefore , if you notice them strings of these colors crossing the pyramid , sphere or any other shungite object , does not mean that the stone is not authentic, but indicates that the piece of stone used to do the item contained inclusions . Shungite often contains <b>Quartz which appears as small strips</b> whitish is in the specimens rough than in those worked .</p> <p>Putting in water cold , authentic shungite <b>causes bubbles</b> that appear after about 20 minutes of immersion .</p>		
<b>Value (2021)</b>	<b>High</b> : 20-100 \$/d <b>Elite</b>	<b>Medium:</b> \$5/d <b>Regular</b>	<b>Low:</b> >1-2\$/g <b>Raw</b>
<b>Typical cut</b>	<p>Wand <b>Chopsticks</b> they are cylindrical shapes carved with a point and an end flat or rounded . They come used in the practice from the meditation to direct the energy towards the chakras . They come used in reiki for directing energy and others healings energy .</p> <p><b>To stone rounded</b> : Shungite raw looks like a rock . Can to be used to purify water and placed in the home to neutralize radiation electromagnetic radiation (EMF).</p> <p><b>Pyramid</b> This form will collect and direct energy . This , like the sphere , is good for a space , like the your office or living room where people gather , because they can energize you and release negative energy .</p> <p><b>Point</b> Shungite can to be carved into a point that is used to collect and direct energy in a space . These I am commonly used in crystal grids , because the wide point collects energy While the narrow point directs it. The grills I am crystals grouped into sacred geometries and often used in the demonstration .</p> <p><b>Sphere</b> The stones carved in a rounded shape I am useful for dissemination energy and harmonizing and balancing a space . Have a shungite ball it would be a lot of use beneficial at home or at work to neutralize EMF radiation .</p>		
<b>Famous stones</b>	There I am " famous " specimens of shungite widely recognized as happens for certain stones precious or mineral . However , there I am sellers and collectors reliable ones that		

	deal high quality shungite pieces , some of the which they might to be considered notable inside of from the community of the Shungite enthusiasts and collectors .
<b>Record stones</b>	There is no known record specific on the specimen larger than shungite found , since shungite is usually mined in masses more small or in large pieces manageable . However , there I am States relationships of adults shungite deposits discovered in various areas , such as the Karelia region in Russia , where I am stay found large quantity of this mineral .