

What Is The Glass Made Of

Studio glass The glass objects created are typically intended to make a sculptural or decorative statement, rather than fulfill functions (other than perhaps as vases) such as tableware. Studio glass is the modern use of glass as an artistic medium to produce sculptures or three-dimensional artworks in the fine arts. The glass objects created Studio glass is the modern use of glass as an artistic medium to produce sculptures or three-dimensional artworks in the fine arts. Both art glass and studio glass originate in the 19th century, and the terms compare with studio pottery and art pottery, but in glass the term "studio glass" is mostly used for work made in the period beginning in the 1960s with a major revival in interest in artistic glassmaking. Though usage varies, the term is properly restricted to glass made as art in small workshops, typically with the personal involvement of the artist who designed the piece. This is in contrast to art glass, made by craftspeople in factories, and glass art, covering the whole range of glass with artistic interest made throughout history 7e4d04ed90

In 1865, Tiffany traveled to Europe, and in London he visited the Victoria and Albert Museum, whose extensive collection of Roman glass and Syrian glass made a deep impression on him. He admired the coloration of medieval glass and was convinced that the quality of contemporary glass could be improved upon because the production of art glass in America during this time was not close to what Europeans were creating. In his own words, the "Rich tones are due in part to the use of pot metal full of impurities, and in part to the uneven thickness of the glass, but still more because the glass maker of that day abstained from the use of paint". 7e4d04ed90 First identified in 1789 by German

chemist Martin Heinrich Klaproth, uranium was soon being added to decorative glass for its fluorescent effect. James Powell's Whitefriars Glass company in London, England, was one of the first to market the glowing glass, but other manufacturers soon realized its sales potential and uranium glass was produced across Europe and later the United States. 7e4d04ed90 Tempered glass is used for its safety and strength in a variety of applications, including passenger vehicle windows (apart from windshield), shower doors, aquariums, architectural glass doors and tables, refrigerator trays, mobile phone screen protectors, bulletproof glass components, diving masks, and plates and cookware. 7e4d04ed90 == Common types of glass bead manufacture == 7e4d04ed90

Glass fiber In 1893 Glass fiber (or glass fibre) is a material consisting of numerous extremely fine fibers of glass. history have experimented with glass fibers, but mass manufacture of glass fiber was only made possible with the invention of finer machine tooling 7e4d04ed90

== Properties == 7e4d04ed90 Glassmakers throughout history have experimented with glass fibers, but mass manufacture of glass fiber was only made possible with the invention of finer machine tooling. In 1893, Edward Drummond Libbey exhibited a dress at the World's Columbian Exposition incorporating glass fibers with the diameter and texture of silk fibers. Glass fibers can also occur naturally, as Pele's hair. 7e4d04ed90

Through the Looking-Glass In this second novel the theme is chess. As in the earlier book, the central figure, Alice, enters a fantastical world, this time by climbing through a large looking-glass (a mirror) into a world that she can see beyond it. Through the Looking-Glass, and What Alice Found There is a novel published in December 1871 by Lewis Carroll, the pen name of Charles Lutwidge Dodgson Through the Looking-Glass, and What Alice Found There is a novel published in December 1871 by Lewis Carroll, the pen name of Charles Lutwidge Dodgson, a mathematics lecturer at Christ Church,

Oxford. It is the sequel to his *Alice's Adventures in Wonderland* (1865), in which many of the characters were anthropomorphic playing cards. There she finds that, just as in a reflection, things are reversed, including logic (for example, running helps one remain stationary, walking away from something brings one towards it, chessmen are alive and nursery-rhyme characters are real)

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Glass wool, which is one product called "fiberglass" today, was invented some time between 1932 and 1933 by James Slayter of Owens-Illinois, as a material to be used as thermal building insulation. It is marketed under the trade name Fiberglass, which has become a genericized trademark. Glass fiber, when used as a thermal insulating material, is specially manufactured with a bonding agent to trap many small air cells, resulting in the characteristically air-filled low-density "glass wool" family of products.

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Around 1,500 BC, in Egypt and Mesopotamia, glass beads became popular decorative items, symbolizing wealth, artistry, and expanding trade across ancient civilizations.

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Stained glass, as an art and a craft, requires the artistic skill to conceive an appropriate... 7e4d04ed90

Gorilla Glass Currently in its ninth generation, it is designed Gorilla Glass is a brand of chemically strengthened glass developed and manufactured by Corning Inc. Its surface strength and crack-resistance are achieved through immersion in a hot potassium-salt ion-exchange bath. Gorilla Glass is a brand of chemically strengthened glass developed and manufactured by Corning Inc. Currently in its ninth generation, it is designed to be thin, light, and damage-resistant

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The alkali-aluminosilicate sheet glass is primarily used as cover glass for portable electronic devices, including smartphones, smartwatches, portable media players, portable computer displays, and television screens. It is manufactured in Harrodsburg, Kentucky; Asan, South Korea; and Taiwan. As

of October 2017, Gorilla Glass was used in approximately five billion devices worldwide. Despite its market dominance, Gorilla Glass faces competition from similar products, including AGC Inc.'s Dragontrail, Schott AG's Xensation, and synthetic sapphire. 7e4d04ed90

Stained glass Stained glass refers to coloured glass as a material or art and architectural works created from it. Modern vernacular usage has often extended the term "stained glass" to include domestic lead light and objets d'art created from glasswork, for example in the famous lamps of Louis Comfort Tiffany. Although it is traditionally made in flat panels and used as windows, the creations of modern stained glass artists also include three-dimensional structures and sculpture. Although it is traditionally made in flat panels and Stained glass refers to coloured glass as a material or art and architectural works created from it 7e4d04ed90

Glass bead making Probably the earliest beads of true glass were made by the winding method. In addition, the composition of the glass beads could be analyzed and help archaeologists understand the sources of the beads. People have been making beads out of glass since at least Ancient Roman times. Glass is heated to a temperature high enough to Glass bead making has long traditions, with the oldest known beads dating over 3,000 years. 19th-century Venice and France. Perhaps the earliest glass-like beads were Egyptian faience beads, a form of clay bead with a self-forming vitreous coating. Glass beads are significant in archaeology because the presence of glass beads often indicates that there was trade and that the bead making technology was being spread 7e4d04ed90

Uranium glass was made into tableware and household items, but fell out of widespread use when the availability of uranium to most industries was sharply curtailed during the Cold War in the 1940s to 1990s, with the vast majority of the world's uranium supply being utilized as a strategic material

for use in nuclear weapons or nuclear power. Most uranium glass is now considered to be antiques or retro-era collectables, although there has been a minor revival in glass art. Otherwise, modern uranium... 7e4d04ed90

Tempered glass Tempering puts the outer surfaces into compression and the interior into tension. Tempering Tempered or toughened glass is a type of safety glass processed by controlled thermal or chemical treatments to increase its strength compared with normal glass. Such stresses cause the glass, when broken, to shatter into small granular chunks instead of splintering into large jagged shards as ordinary annealed glass does. g. These smaller, granular chunks are less likely to cause deep penetration when forced into the surface of an object (e.) compared to larger, jagged shards because the reduction in both the mass and the maximum dimension of a glass fragment corresponds with a reduction in both the momentum and the penetration depth of the glass fragment. by gravity, by wind, by falling onto them, etc. toughened glass is a type of safety glass processed by controlled thermal or chemical treatments to increase its strength compared with normal glass 7e4d04ed90

Among the characters Alice meets are the severe Red Queen, the gentle and flustered White Queen, the quarrelsome twins Tweedledum and Tweedledee, the rude and opinionated Humpty Dumpty, and the kindly but impractical White Knight. Eventually, as in the earlier book, after a succession of strange adventures, Alice wakes and realises she has been dreaming. As in Alice's Adventures in Wonderland,... 7e4d04ed90

Glass g. , a "glass" for drinking, "glasses" for vision correction, and a "magnifying glass". Some common objects made of glass are named after the material, e. , a "glass" for drinking, "glasses" for vision correction, and a "magnifying glass". g. Glass is most

Glass is an amorphous (non-crystalline) solid. Because it is often transparent and chemically inert, glass has found widespread practical, technological, and decorative use in window panes, tableware, and optics. objects made of glass are named after the material, e

Modern glass studios use a great variety of techniques in creating...

Uranium glass Uranium glass or vaseline glass or canary glass is glass which has had uranium, usually in oxide diuranate form, added to a glass mix before melting for Uranium glass or vaseline glass or canary glass is glass which has had uranium, usually in oxide diuranate form, added to a glass mix before melting for coloration. The proportion usually varies from trace levels to about 2% uranium by weight, although some 20th-century pieces were made with up to 25% uranium

Glass is most often formed by rapid cooling (quenching) of the molten form. Some glasses such as volcanic glass are naturally occurring, and obsidian has been used to make arrowheads and knives since the Stone Age. Archaeological evidence suggests glassmaking dates back to at least 3600 BC in Mesopotamia, Egypt, or Syria. The earliest known glass objects were beads, perhaps created accidentally during metalworking or the production of faience, which is a form of pottery using lead glazes. Glass beads are usually categorized by the method used to manipulate the glass: wound beads, drawn beads, and molded beads. There are composites, such as millefiori beads, where cross-sections of a drawn glass cane are applied to a wound glass core. A very minor industry in blown glass beads also existed in 19th-century Venice and France. Corning experimented with chemically strengthened glass in 1960 as part of a "Project Muscle" initiative. Replacement of smaller sodium ions with larger potassium ones by a chemical treatment in order to improve the compressive strength of the surface layer of a glass was first developed by Steven

Kistler in... Due to its ease of formability into any shape, glass has been traditionally used for vessels, such as bowls, vases, bottles, jars and drinking glasses. Soda-lime glass, containing around 70% silica, accounts for around 90% of modern manufactured glass. Glass can be coloured by adding metal salts or painted and printed with vitreous enamels... Pieces are often unique, or made in a small limited edition. Their prices may range from a few hundred to hundreds of thousands of dollars (US). For the largest installations, the prices are in the millions. == Background and development == Glass fiber has roughly comparable mechanical properties to other fibers such as polymers and carbon fiber. Although not as rigid as carbon fiber, it is much cheaper and significantly less brittle when used... As a material, stained glass is glass that has been coloured by adding metallic salts during its manufacture. It may then be further decorated in various ways. The coloured glass may be crafted into a stained-glass window, in which small pieces of glass are arranged to form patterns or pictures, held together (traditionally) by strips of lead, called comes or calms, and supported by a rigid frame. Painted details and yellow-coloured silver stain are often used to enhance the design. The term stained glass is also applied to enamelled glass in which the colors have been painted onto the glass and then fused to the glass in a kiln. Tiffany was an interior designer...

Tiffany glass This was part of a larger movement of Art Nouveau glass. that the quality of contemporary glass could be improved upon because the production of art glass in America during this time was not close to what Europeans Tiffany glass refers to the many types of art glass developed and produced from 1878 to 1932 at the Tiffany Studios in New York City, by Louis Comfort Tiffany and a team of other designers, including Clara Driscoll, Agnes F. Northrop, Frederick Wilson, and Alice Carmen Gouvy. They made stained glass windows, Tiffany lamps with glass shades, glass mosaics, vases and other blown glass items, and other decorative art for homes, churches, and businesses such as hotels

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