

Published based on [Serendipity Diamonds - The Most Exquisite Form Of Carbon](#)

# **Serendipity Diamonds - The Most Exquisite Form Of Carbon**

[Serendipity Diamonds](#) is a leading online jewellery specialist that offers outstanding jewellery that is cherished by lots of people. Their product line consists of rings, necklaces, [diamond earrings](#), and other jewellery that highly speaks of elegance and style.

Diamonds usually comprise the centrepieces of their jewellery. But have you ever questioned what a diamond is? Yes, typical information defines that it is a precious stone. But how were they made? Why are they so dense? Where did they originate?

Well, a diamond is simply carbon in its most compressed form. A diamond may have minute traces of other components such as boron or nitrogen, but it is solely composed of carbon.

Many other materials are composed of carbon, and you probably have even made use them each day. For instance, the graphite in your pencil is composed carbon. The charcoal stick that you utilize as drawing material for your art is made of carbon. Many kinds of plastic materials utilize carbon polymers. Commercially accessible textiles such as wool, silk, and cashmere are made of carbon. So if a diamond is made of carbon, it should be gentle like the materials pointed out above, correct?

Well, the reason a diamond is one of the densest materials on earth lies in the distinct arrangement of carbon atoms. In a diamond, the atoms are arranged and compacted in an particularly tight, very rigid lattice. In other carbon products, the atoms are not as tightly bound, that is the reason they are not as hard as a diamond although they are made of similar element.

Impossibly high temperatures and pressure are required to form a diamond. These factors can only be located in the deadly and intense conditions 140 to 190 kilometres deep in the earth's mantle, the layer in between the Earth's crust and core. Organic materials that have been present for over periods of 1 to 3.3 billion years provide the carbon source. They are then brought to the earth's surface through volcanic eruptions, using magma as the vehicle. The magma cools off into igneous rocks that geologists call kimberlites. These kimberlites are then collected, cleaned, and processed to take out the raw diamonds.

So now you will not look at diamonds in engagement rings the same way ever again.

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