



## BPA-FREE CERAMIC DENTAL FILLINGS

### Ceramic Fillings

At Dr. Rudolph's practice, we are committed to keeping up with the latest in material composition advancements. Nowadays, there are endless dental materials developed and produced by numerous companies. At our practice, it is incredibly important to us that we take into consideration the biocompatibility of the materials we use on our patients.

### Do conventional composite resins contain Bisphenol-A (BPA)?

Bisphenol-A (BPA) is a compound that is speculated to have estrogen-mimicking effects on our body and is potentially linked to hormone related problems, asthma, obesity and breast cancer.

BPA is used as a precursor to manufacture Bis-GMA, a monomer that is common to most dental composite resins. Although the manufacturer does not deliberately add BPA to their filling materials, it can be found in trace amounts in most dental composite resins.

Over time, the Bis-GMA within the fillings in our mouths can become broken down and BPA may be released. The levels of BPA found in these filling materials and the levels released from the fillings in our teeth are well within the level deemed to be safe. Although this is the case, we believe that there are enough ways we can be exposed to and ingest BPA (through foods and drinks in plastic bottles and canned goods, plastic wraps, plastic cups, soda cans, etc.), and that although the dental source

is very minimal, we would like to help our patients lower their cumulative exposure by providing BPA free dental filling material, [Admira Fusion by Voco](#).

### **Dr. Rudolph uses only a BPA-free filling material**

We use Admira Fusion by Voco, which is a ceramic filling material utilizing its proprietary nano-ORMOCER®(ORganically-MOdified-CERamic) technology. It is a BPA free material and does not contain classic monomers such as Bis-GMA, UDMA, HEMA, TEGDMA, etc.

More information about the filling material we use can be found here:

<http://www.voco.com/en/product/Admira-Fusion/index.html>

[http://www.voco.com/en/product/Admira-Fusion/SC\\_EN\\_Admira-Fusion.pdf](http://www.voco.com/en/product/Admira-Fusion/SC_EN_Admira-Fusion.pdf)