

Sanitary Seal Division

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Platinum Cured Silicone Gaskets and O-Rings—The Basics

Platinum cured gaskets and o-rings (VMQ) can often be the best choice for food, beverage, pharmaceutical and biotechnology production applications. Platinum cured o-rings and gaskets hold up in extreme temperatures (-62° C to +232° C). These products have excellent heat, ozone and corona resistance and have good dielectric stability and resistance to many oils, chemicals and solvents. Platinum cured silicone sealing elements are tasteless, odorless and non-toxic. They can be autoclaved, irradiated and gas sterilized.

In addition to platinum curing, silicone can also be peroxide cured. However, silicone o-rings and gaskets that have been platinum cured have better flexible properties, very low volatile matter and low extractables. They are also viewed as being cleaner and presenting less opportunity for contamination than peroxide cured products and therefore they are preferred in the food, beverages and pharmaceutical sectors.

The Sanitary Seal Division of PTI, Inc. offers a full line of high purity platinum cured o-rings and sanitary gaskets including state of the art metal detectable and x-ray inspectable platinum cured sealing components.

***Contact us today to speak with us about any of our sanitary sealing products for your applications.
TEL 610-603-7546***