

# 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**

*Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty for this product.*

*Prior to actual use it is highly recommended that suitable tests be run to determine this product's suitability in a specific application. This is critical where failure could result in injury or damage.*