

ORD Problem Solved!

Parker Silicone Material S0317-60

Designed for use in Disposable Medical Devices and Pharmaceutical/Biopharmaceutical Manufacturing Processes.

The Life Science Industry is composed of numerous areas, from medical, drug discovery and pathogen detection to pharmaceutical and biopharmaceutical manufacturing processes. Applications in these areas normally require elastomers to be FDA and/or USP Class VI compliant.

Parker's peroxide cured silicone rubber material, S0317-60, is ideal for use in pharmaceutical and biopharmaceutical manufacturing processes as well as disposable medical devices. It is FDA and USP Class VI compliant and offers low extractables.

In addition, S0317-60 is free of natural rubber latex and other hazardous and

toxic ingredients such as asbestos and heavy metals. This soft silicone material conforms easily to fit imperfect mating hardware surfaces for a tight, secure seal.

Some competitor's seals, like the ones mentioned in this month's success story, contain ingredients that can be potentially harmful to pharmaceutical/biopharmaceutical process streams. Parker's S0317-60, however, is a "clean" material with low extractables. This is critical in pharmaceutical processes, as extractables can contaminate the product/drug being manufactured.



Application Success Story

Application:

Pharmaceutical manufacturing

Problem:

The customer was using platinum-cured o-rings, but worried this could leach platinum into the process stream.

Solution:

Parker recommended peroxide-cured silicone rubber compound, S0317-60. This 60 durometer silicone is ideal for use in disposable medical devices and pharmaceutical/biopharmaceutical manufacturing processes.

Outcome:

The pharmaceutical manufacturer replaced seals in their existing silicone o-ring applications with Parker's S0317-60. With its low extractables, this material was a great fit with the customer's needs.