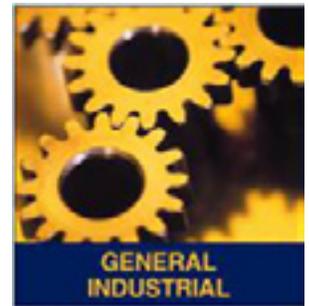


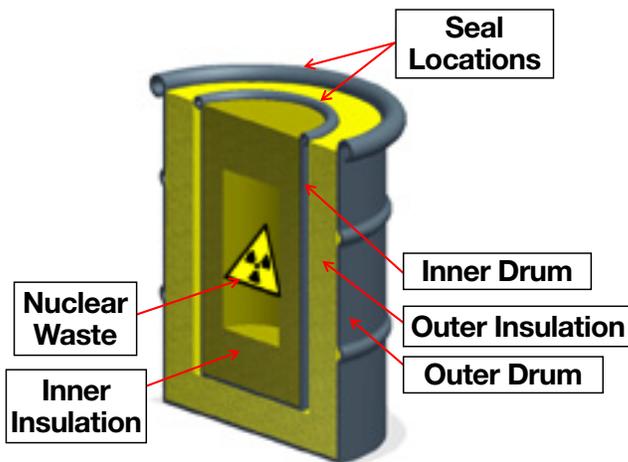
# Problem Solved!



## RADIOACTIVE WASTE DRUM LID SEALS

### Application

Seal for low-level radioactive waste containment and transportation device.



### Problem

Radioactive waste is transported in a multi-layered drum that can be exposed to dangerous conditions such as impact or fire.

To add an additional layer of protection, TechSeal Division designed a custom profile spliced ring to form a barrier between the inner and outer layers of insulation.

This application required a significant amount of engineering and testing to create a seal not only strong enough to withstand flames but also easy enough to install per customer requirements.

### Parker Solution

By combining material development expertise with skilled application engineering, TechSeal Division was able to design and produce a seal that surpassed our customers' stringent requirements.

TechSeal Division designed a custom profile that contoured to the shape of the drum lid to ensure optimum fit. A high temperature, flame retardent silicone was extruded and spliced into rings that met the specified installation parameters. Extruded and spliced seals are free of flash, parting lines, and voids and therefore provide a leak free barrier from the environment.

The seal passed all required tests including pressure tests, drop tests and flame tests to ensure maximum protection from harsh environmental conditions.

### Contact

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