

DuPont™ Kalrez® Spectrum™ 7275 Perfluoroelastomer Parts

O-rings for pumps in paper mill industry

Chlorine dioxide is a strong oxidizing gas that finds many uses as bleaching agent and disinfectant, being a more effective and safer biocide than other sources of chlorine. Most of the production of chlorine dioxide is used at paper mills for pulp bleaching. A paper mill had to perform frequent repairs in a pump handling chlorine dioxide in water.

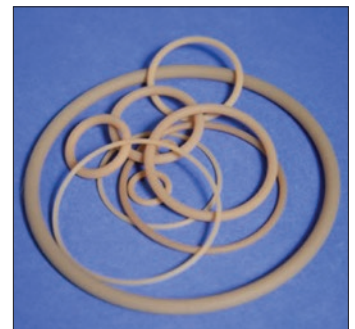
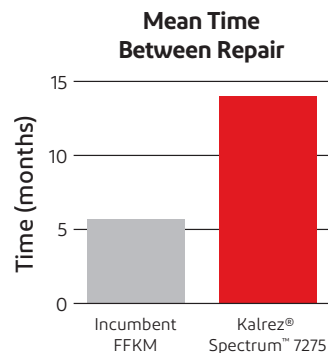
- **Chemicals and cleaning:** Chlorine dioxide (strong oxidizing gas)
Water
- **Incumbent solution:** Competitor FFKM
- **Performance challenge:** Insufficient lifetime vs. customer expectations (Mean Time Between Repair (MTBR): around 5 months)



Kalrez® Spectrum™ 7275 benefits:

- Kalrez® Spectrum™ 7275 seals allowed to extend the pump seal life to more than 12 months.
- The pump has been removed from the “bad actors” list and added to the regular yearly maintenance list.

The performance is based on tests performed by the customer. Since conditions of use are outside DuPont’s control, DuPont assumes no liability in connection with any use of this information. This data should not be used to establish specification limits.



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