Gumlast O-Rings & Seals

www.WetBenches.net

Gumlast is a low cost alternative for Kalrez or Chemraz. Gumlast meets or exceeds their material properties and is proven successful in semiconductor applications. Long lifetime for less money!

User Evaluation

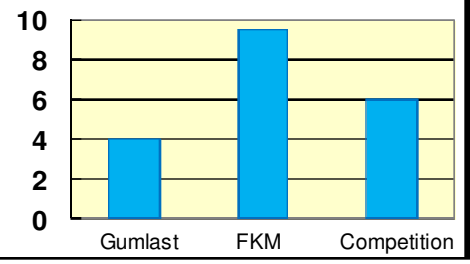
Gumlast VS Leading FFKM

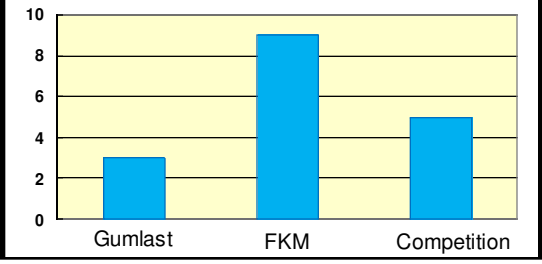
- **Hitachi 602 Metal Etcher**
- **Cl2, BCl3, Temp 230°**
- **50K wafers run**
- **Slit valve O-ring studied**

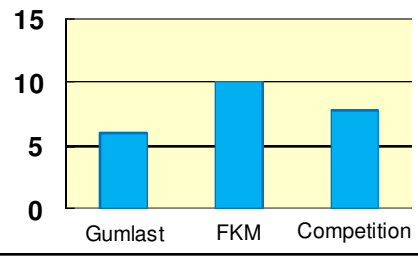
Competitive FFKM had heavy white residue triggering the need for a chamber cleaning. Gumlast showed no visible signs of degradation!

O-ring lifetime is often the trigger for chamber maintenance. Extend that time interval and save significant cost and downtime.

How well does your O-Ring hold up to aggressive environments?







Above shows % weight loss from exposure to various plasma etching environments. This data suggests Gumlast outperforms FKM and the leading competition!

Gumlast® O-rings and custom shapes are made from 100% pure perfluoroelastomer (FFKM) backbone polymers. Made in USA, Gumlast® is resistant to over 2,000 different chemicals and temperatures up to 620°F. Our quality Gumlast® parts have been benchmarked and tested against leading FFKM brands and showed superb properties when exposed to harsh elements. The key factor in Gumlast's superior performance over other perfluoroelastomers is "Pseudo-Living Polymerization." This proprietary technology delivers repeatable and consistent cross -linking of backbone monomers, thus removing performance-reducing variability of finished polymer. Gumlast® perfluoroelastomer O-rings and custom shapes are the perfect low-cost solution for all of your sealing needs in the highly aggressive semiconductor processing.