

TEADIT[®] Camprofile in Chemical Processing

CASE HISTORY

INDUSTRIAL SEGMENT

Chemical Processing

APPLICATION

FEP

Equipment

Extruder



SCENARIO

A PTFE manufacturing facility was experiencing leaks on an FEP Extruder that was originally designed to utilize a metal reinforced compressed asbestos gasket. Their existing configuration was resulting in significant polymer losses of nearly 90lbs per hour. In addition, the leakage issues necessitated regular maintenance which cost them 2 hours of downtime. Once repaired and restarted, the leakage issues would reappear within the hour. This issue had progressed to the point that the equipment was nearly inoperable.

SOLUTION

Teadit's technical team assessed the issue and determined that the best course of action would be to switch to a Camprofile style gasket which features a solid metal core faced with a flexible graphite sealing element. To ensure optimum sealing, some minor work was done to the flange sealing surface to accommodate the requirements of the new gasket. Additionally, installation training and instructions in accordance with the recommendations of ASME PCC-1 were provided to the installers.

CUSTOMER GAINS

Once properly installed, the Camprofile gasket showed no signs of leakage after a month in service. The savings from lost product, downtime, and maintenance costs was over \$21,000 per month.