

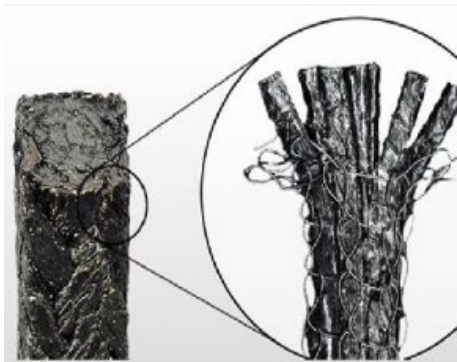
TEADIT® 2235 CASE HISTORY

SCENARIO

A large petrochemical plant began experiencing leakages on the superheated steam valves in their Ethylene unit. They had been using traditional die formed graphite ring packing without the benefit of additional metal reinforcement. The high-pressure steam leaks were very dangerous and resulted in extremely high maintenance costs. The site had instituted a preventative maintenance program to constantly replace the packing rings because the leakage began negatively influencing the quality of the process. This was unsuccessful and the next step would be to replace all 1,520 impacted valves.



SOLUTION



Teadit's engineering department was contacted to evaluate the application and provide a recommendation. Teadit recommended the use of the higher pressure, metal reinforced graphite packing style Teadit 2235. The Teadit packing style 2235 has an Inconel® filament jacket which affords mechanical stability and makes it extrusion proof, while the advanced construction provides leakage control and high integrity in steam service thus giving the customer a superior seal over their previous standard graphite packing. A test run on 384 valves of various sizes between ½" - 16" demonstrated the superior performance Teadit 2235 was able to offer them.

CUSTOMER GAINS

The style 2235 exceeded expectations during the trial run and eliminated the need for replacing all of the valves. It became the only approved valve packing and was installed in the remaining 1,136 valves saving the customer over \$2.5 million in maintenance and repair costs.

