Garlock
an EnPro Industries family of companies

Case Study: Phosphate Processor
GYLON EPIX™ 3504 EPX

INDUSTRY
Chemical

CUSTOMER
Phosphate processor

BACKGROUND
Pump inlet and discharge flanges

CHALLENGES FACED
Using glass filled PTFE. The flange surfaces were being filled with epoxy when maintenance assessed the surfaces condition to be undesirable. Plant personnel wanted to do away with the use of epoxy on the flanges.

CONDITIONS
Applicaton 1 - Sulfuric Acid 99%:
» Temperature: 104°F (40°C)
» Equipment: Pump for sulfuric acid transfer
» Pump discharge, 8", Alloy 20, Class 150 raised face flanges with B7 bolts
» Pressure: 57 psig (4 kg/cm^2)

CONDITIONS CON'T
Applicaton 2 - Phosphoric & Sulfuric Acid 99%:
» Temperature: 104°F (40°C)
» Pump discharge, 8", Alloy 20, Class 150 raised face flanges with B7 bolts
» Pressure: 57 psig (4 kg/cm^2)

SOLUTION AND BENEFITS
Through close collaboration with the customer, it was determined that the best solution would be the new GYLON EPIX™ 3504 EPX. Installation of 8" ring gaskets was complete without special handling using the plant's standard practices.

For more information, please visit:
http://www.garlock.com

GARLOCK
an EnPro Industries family of companies
Tel: 1-877-GARLOCK / 315.597.4811
Fax: 800.543.0598 / 315.597.3216
www.garlock.com