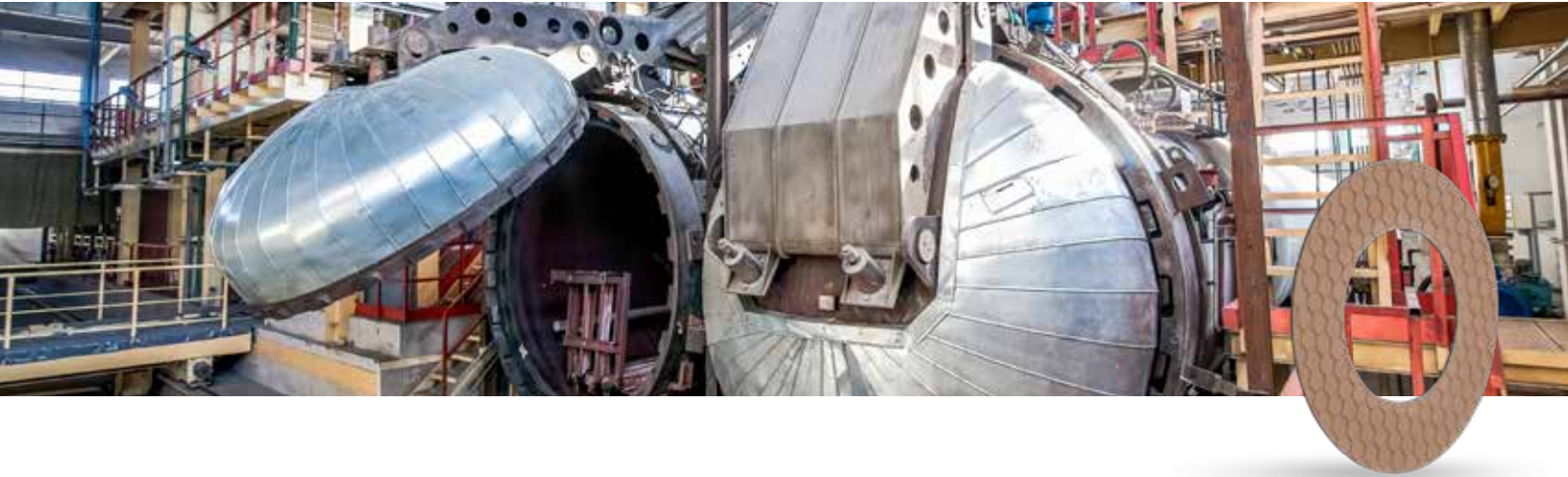


# Case Study: GYLON EPIX® Style 3500 Processing Plant - Mining



## INDUSTRY

Mining

## CUSTOMER

Processing Plant

## BACKGROUND

The customer mines and processes ores into concentrates for metal production.

## CHALLENGES FACED

The processing plant site historically uses filled PTFE sheet gasket, compressed fiber gasket, PTFE gaskets, Alloy 59 spiral wound gaskets and molded rubber. They wanted to reduce the types of gaskets used on site with a gasket material that sealed easily and well. The target application was an autoclave under vacuum that was notorious for leaks.

## OPERATING CONDITIONS

Temperature – 266°F (130°C)

Application – Autoclave with Class 300 pipe flanges from 3" to 24". Equipment is torn-down every 8 weeks.

Media – Sulfuric acid, chlorides with pure oxygen gas

Pressure - Vacuum

## SOLUTION AND BENEFITS

GYLON EPIX® Style 3500 was installed in November of 2018 and has been sealing well through the normal maintenance cycles. The autoclaves have been operating at full vacuum due to the seal that GYLON EPIX® provides. The success of GYLON EPIX® allowed the elimination of Alloy 59 spiral wound gaskets resulting in inventory and cost reductions.

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

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