

# GYLON® Style 3501-E

## Case Study: Carob beans food processing



### Industry

Food & Beverage

### Customer

A major manufacturer active among others in many sectors of food and beverage, with facilities located in all regions across the globe. The customer's plant in Spain produces food ingredients from carob beans for food, ice creams and beverages.

### Background

The customer had persistent problems when sealing the lid of their 5000 kg reactor in SS304 with Alloy B 2 lining.

### Challenges faced

The original virgin PTFE gasket was dramatically leaking each month which required replacement of existing cover lid by a new one after less than 5 years. The customer struggled with high costs and risks. He was looking for a safe sealing solution, with reduced maintenance and service calls.

### Operating Conditions

1. Media: Sulphuric acid 98% concentration
2. Cover lid gasket size: 1640 x 1670 x 3,2 mm
3. Temperature: 100-120 °C
4. Pressure: 3 bar

### Solution and Benefits

Discussions and investigations with the customer resulted in the optimal solution being GYLON® Style 3501-E welded gasket in 3,2 mm. Garlock suggested also the combination with EN 1591-1 calculation service.

GYLON® 3501-E was installed and no leakage has been reported since then. The customer changed the lid gaskets of their other two reactors to GYLON® 3501-E and started replacing all nozzle gaskets as well.

For more information, please visit:  
**[www.garlock.com](http://www.garlock.com)**

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