

Hydril Pressure Control Legendary Elastomers

Genuine Hydril Elastomer

The most trusted name in Well Control Equipment, designed to perform in today's extreme

Product description

Unmatched Elastomer Formulation Expertise

Hydril elastomers are in the most trusted well control products that you rely on for absolute safety in your drilling and completions activities. We don't outsource our rubber: we make it all ourselves, raw materials to finished product. Our proprietary formulations are created by leaders in their field with over 70 years of experience in rubber technology. We lead API committees. We file dozens of patents. Our voices are heard throughout the industry because our expert formulators get it right and the results speak for themselves. We have developed new HNBR long lasting seals with a focus on features critical to hostile wellbore environments such as:

- Increased H2S ratings
- Improved wear resistance at continuously elevated temperatures
- Improved fatigue performance

Benefits

The Highest Quality Standards

Our quality processes are mature, and they meet or exceed API 16A and ISO 9000 standards. We will only give our annulars the stamp of approval after it is individually tested in a BOP at full rated pressure conditions. We invest in operations to keep up to date. Our Humble, Texas, rubber plant features a state-of-the-art intermesh mixer with advanced automation, process control and traceability. The reliability of seal products is maintained at our API Q1 manufacturing facilities where seals and BOPs are monogrammed to API 16A 4th edition specifications.

Key features

Reaching Highest Performance

Our legendary history and highest performance was achieved by moving forward, standing still is not in our DNA. Our expertise in hyper-elastic FEA modeling enables us to attain PR2 ratings of API 16A on more products. We continue to achieve higher hydrogen sulfide ratings on our elastomer compounds. In our Elastomer Center of Excellence, we push the performance envelope by qualifying seals to HPHT conditions at 20,000 psi.

We even took "the Hydril", our flagship annular, and made it better. For the extreme service conditions of high heat and high H2S, we're commercializing annulars with breakthrough HNBR rubber technology. These annulars outperform our industry-leading NBR annulars by factors of 2X or 3X in continuous high temperature tests. Our ingenuity is on full display in these innovative products.

