

## Rubber Packer Elements

PETROCO provides high performance engineering elastomers for high pressure and high temperature packing solution containing HNBR, Viton and Aflas formulations with an extended successful job cases.

### Features, Advantages and Benefits

- Partially supporting weight for the down-hole tubing or liner
- Improving well flow and production rate
- Separating different producing zones
- Enhancing safety by limiting well control to tubing at the surface
- Holding fluid for well servicing in the casing annulus
- Preventing the downhole movement of the tubing string
- Guarding the annular casing from corrosion caused by the fluids and high pressures

### Elastomer Technology

- Aflas formulations for HPHT gas wells
- Viton A, B and F formulations for low aniline point oils
- Viton G and ETP formulations for extreme conditions<sup>1</sup>
- HNBR and NBR formulations for conventional conditions
- High temperature resistance up to 260 °C (500 °F)
- Life time gauranty due to NORSO-M710 verification tests
- Preserve up to 10000 psi differential pressure
- High extrusion resistance
- Very low swelling against oil, aromatics and gas
- Very low compression set
- Aggressive chemical resistance (H<sub>2</sub>S, HCl)
- Low permeability against gaseous diffusion
- Service life up to 10 years without noticeable property change



<sup>1</sup> Viton G and ETP are high performance and advanced technology vitons for very harsh chemical conditions and high temperatures (up to 230 °C (446 °F))