

ATSP Swellable Packers

ATSP series swell packer is independently researched and designed by Anton, and widely used in various oil wells. Swell packer's rubber will be active to expand when contact oil or water condition. Water molecules invade the internal rubber by capillary diffusion and surface adsorption physical effects and make a strong binding force with polymer molecules. The polymer molecular structure absorbs oil or water molecules, that cause rubber elastic deforming to achieve the effect of swell packer expansion.

Scope

Suitable for segment horizontal wells, multi-zone production in vertical wells and coal gas wells, AICD water control wells, and cementing wells as an ACP.

Advantages

- ✧ Max. salinity 20% water condition
- ✧ Min. 5% oil base media liquid

Features

- ✧ Automatic expansion in water or oil environment
- ✧ 7-30days' controllable expansion rate for safety RIH
- ✧ Seal irregular wellbore shape
- ✧ Not retract after expansion in different media
- ✧ WT 150 °C, WP 70MPa
- ✧ Corrosion-resistant function in acid, alkali, CO₂, and H₂S condition
- ✧ Alternative rubber assembly types with vulcanization or sleeve process

Applications

- ✧ Max. 8meters sealing section
- ✧ Production capacity of 1000 sets per year
- ✧ World widely applied 400 sets in over 10 areas and countries

