

Technical Data Sheet

PetroGel



Oil Based, Cross-linked Polymer SafeGel Pig

PRODUCT DESCRIPTION

PetroGel is a hydrocarbon based, cross-linked polymer Safe Gel Pig system. This product contains shear thinning and viscoelastic characteristics that can be designed to gel most solvent systems including kerosene, xylene, d-limonene, methyl esters and is fully compatible with most crude compositions.

BENEFITS & APPLICATIONS

- Surveillance runs for mapping internal pipeline geometry
- Beneficial for locating pipeline restrictions
- Used as a spacer to prevent intermixing of incompatible fluids
- Prevents dilution of treatment pills and enables specific target placement
- Conventional pig launching and receiving devices are unnecessary
- Contains shape-memory characteristics that enable pigging of multi-diameter geometries in a single run
- Fluid properties allow core center transport, preventing the "Bulldozer" affect caused by many mechanical pigs
- Fluid properties penetrate restricted areas easier than oil or water
- Customizable to optimize solvent selection, rheological properties, economics, safety and environmental compliance.

TREATMENT RECOMMENDATION

PetroGel can be used as a ready-to-pump blend or used as a concentrate blended on site with suitable hydrocarbon material.

TYPICAL PHYSICAL PROPERTIES

Appearance.....Royal Blue Liquid
Specific Gravity.....0.82 - 0.93
Flash Point.....104 - 210 °F
Auto-Ignition.....410 ° F
Solubility in Water..... Insoluble
Solubility in Oil.....Soluble

PACKAGING

PetroGel is available in 5-gallon (19-liter) pails and 55-gallon (208-liter) drums as a concentrate, or can be shipped in transportable tote tanks for ready-to-pump applications.