

## Solubond 6mm and Milled Fibers

### Acid Soluble Fibers for Drilling and Completion Fluids

#### General Description

Solubond Fibers are an innovative fiber technology that functions as an acid soluble Lost Circulation Material (LCM) and sweep material for your drilling and completion needs.

Solubond Fibers are offered in 6mm & milled lengths, with a diameter of 25 microns. These fibers have been manufactured to offer increased circulation by bridging and plugging off voids, fractures, and all types of permeable formations.

Solubond Fibers are compatible with all oil and water based muds and emulsions, completion fluids, as well as fracturing fluid applications. The interlocking nature of these strong fibers provides a framework for forming a low permeable mud cake with a resultant reduction in drilling fluid loss and hole caving. These fibers are inert to drilling fluids, and the fiber is noncorrosive to equipment while maintaining high-solubility in diluted hydrochloric acid & formic acid.

#### Features / Benefits

- Acid Soluble
- Easily Wetted
- Non-Combustible
- Non-Polluting
- Non-Corrosive
- Non-Toxic
- Temperature Stable up to 428°F (220°C)

#### Applications and Recommended Loading Levels

Solubond Fibers should be evaluated in concentrations of up to 20+ lb/bbl. Solubond should be added directly into pits and gunned into the mud, it can be mixed through the mud hopper but it is much slower.

When acid solubility is not important, a combination of materials can be added to ensure a good particle size distribution.

#### Typical Properties

Fiber lengths: 6mm & milled  
Fiber diameter: 25 micron (4 Denier)  
Melting point: Approx. 428°F (220°C)  
Specific gravity: 1.14  
Decomposition temperature: >300 C

#### Solubility

Hydrochloric Acid (HCl): Completely soluble  
Formic Acid: Completely soluble  
Acetic Acid: Not soluble

*Typical properties given do not constitute a supply specification.*

#### Packaging/Storage

- 6mm: 50 lb. Boxes
- Milled: 40 lb. Bags

Store in a dry area protected from moisture.

#### Health and Environmental Data

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

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