



LC-P

Product Description

LC-P is a water absorbing polymer that swells upon contact with water. A cross-linked copolymer of acrylamide and potassium acrylate, it is supplied as white granules with particle size of 5-10 mesh(4000u-2000u).

Application

LC-P is used for curing lost circulation and is added to pills along with fibrous material like LCF Blend. Normally it is spotted at the lost zone on bit trips where the polymer can swell and cure the lost circulation as a trip is made. It swells in fresh water to 380 times it's original size. It starts swelling in 20 minutes and is fully swollen in 2-4 hours. It works best when used with a fibrous material to get an excellent particle size for proper plugging. LC-P can also be used in conjunction with fibrous material as a sweep material to aid in cuttings removal.

Typical Properties

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| Composition | X-L copolymer of acrylamide and potassium acrylate |
| Bulk Density | 0.75 g/cc |
| Color | White granules |
| Particle Size | 5-10 mesh |

Recommended Treatment

Normal pill treatment is 0.25-0.75 ppb of LC-P along with 25 ppb fibrous material, depending on the size of the pill. Up to 1.0 ppb has been used on some severe wells. Ideally, first mix the fibrous material in the pill and then add the LC-P right before pumping. When using as a sweep, smaller dosages can be utilized with good results.

Packaging

LC-P is packaged in 5 pound pails, packaged 24 per pallet.