

**PRODUCT DESCRIPTION**

NewSeal™ lost circulation material (LCM) consists of deformable carbon particles selectively sized to efficiently plug porous formations and control wellbore seepage loss in all types of drilling fluid systems.

BENEFITS

- Application in all drilling fluid systems (water-, synthetic- or oil-based)
- Temperature stability
- No expanding or swelling
- Neutral pH
- No adverse effect on fluid rheology
- Zero detrimental effect on electrical stability in synthetic- or oil-based systems

APPLICATION

NewSeal LCM can be used in any drilling fluid, regardless of base fluid. It is particularly effective in reducing spurt loss, filtrate volume and PPT value. The product may be used in lost circulation pills or to treat the entire system. When used to treat the entire system, typical concentration is 5-15 lb/bbl. The product is effective when used alone, but good results have been achieved in combination with CyberSeal™, DynaFiber™ or NewCarb™ LCMs.

TREATMENT RECOMMENDATION

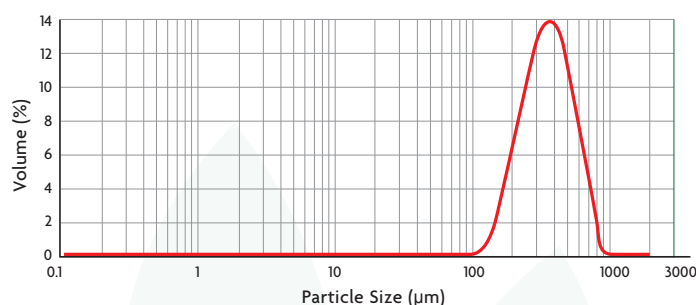
The prescribed amount of NewSeal LCM is added directly to the active system as follows:

Synthetic-basedup to 40 lb/bbl
 Diesel- or mineral oil-basedup to 25 lb/bbl
 Water-basedup to 15 lb/bbl

NOTE: The most important aspect of combating lost circulation is particle size distribution. Consequently, it is recommended that a combination of materials be added to ensure a good particle size distribution (PSD).

PARTICLE SIZE DISTRIBUTION

Retained on 30 Mesh	0%
Retained on 60 Mesh	53%
Retained on 100 Mesh	32%
Retained on 200 Mesh	14%
Passing 200 Mesh	1%

**TYPICAL PHYSICAL PROPERTIES**

Appearance.....Gray/black granular material
 Bulk Density 52 lb/ft³ (833 kg/m³)
 Specific Gravity..... 0.9
 Water Solubility Insoluble

HANDLING AND STORAGE

Exercise caution when handling near electrical circuits, as NewSeal conducts electricity. Keep dust out of eyes to avoid mechanical irritation. Store in a cool, dry, well-ventilated area away from ignition sources and strong oxidizing agents. Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

PACKAGING

NewSeal LCM is available in 50-pound (22.7-kilogram) multi-walled bags.