GILSONITE

OBM Shale and Fluid Loss Control

Product Description

Gilsonite is a natural hydrocarbon used for filtrate loss and shale stability in oil-based drilling fluids. Because Gilsonite has a large molecular weight distribution and a high molecular weight, the softening point is high compared to other types of polymers allowing it to soften or deform as it is nears its softening point instead of completely melting into a low-viscosity liquid.

Gilsonite remains a high-viscosity liquid even when it is 20 degrees above its softening point.

Treatment Rate, Typical

Can be added at a pound-per-barrel of fluid rate depending on the desired properties and concentration of solids. This product should be added slowly to the system over one complete circulation to ensure even distribution.

Well-Bore Clean Up

Soluble in aromatic solvents (Benzene, Toluene, and Xylene) and in most chlorinated solvents. Well bore clean-up is easy by circulating out of the hole.

Physical Properties, Typical

Softening point (ASTM E28.92)	365-420 °F
Sulfur (ASTM 2622)	1.94%
Total ash (ASTM D-3174)	<1.0%
Specific gravity	1.2-1.5
Moisture (AGC Method)	~1%
Color in mass	Black
Penetration (77 °F, 100gm, 5 sec)	0
Acid number (ASTM 664)	<1 mg KOH/g
Flash point (COC)	>540 °F
Needle penetration (ASTM D5)	1
Avg bulk density	38 lb/ft3

Screen Analysis, Typical % Retained

U.S. Mesh 35	≤ 0.1
U.S. Mesh 65	≤ 2.0
U.S. Mesh 100	≤ 8.0
U.S. Mesh 200	≤ 25.0

Packaging

GILSONITE is available in 50 pound bags.

Product Data Sheet

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use.

© 2026 Momentum Drilling Fluids. All rights reserved.

Momentum Drilling Fluids
P.O. Box 1366
Houston, TX 77251
1-(844)-Need-Mud
sales@momentumfluids.com