

TECHNICAL DATA SHEET

MAC PLUG

MAC PLUG is a wellbore sealing agent. Its fibrous, granular morphology provides effective plugging performance in clean water, brines and all types of drilling and completion fluid systems. This helps to greatly improve the strength of the borehole wall, increase formation pressure capacity, improve the equivalent circulation density (ECD) window of the formation, as well as provide good leakage control, plugging and anti-collapse performance. MAC PLUG can also control the penetration of drilling fluid into the formation, preventing any solids or fluid components from damaging the oil and gas reservoir.

Typical Characteristics

Parameter	Specification
Apparent viscosity (mPa.s)	≤ 3
Moisture (%)	≤ 10
Sieve residue, 100 mesh (%)	≤ 10
Sand bed pressure resistance, 20 – 40 mesh (MPa)	≥ 5

Application

- MAC PLUG is surface treated to make it compatible with both water- and oil-based muds, allowing it to be used as a broad-spectrum leak-proof product
- Can be applied at temperatures up to 150°C
- Does not contain polymer components, thus having little impact on the rheology of drilling fluids, making it especially suitable for high-density systems

Packaging and Storage

MAC PLUG is packaged in 25 kg bag.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

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