

# Drilling Fluids - BESTOLIFE

## BESTOLIFE "4010"® NM



Product Number  
420-118

### Applications

- Rotary collars

### Advantages

- Low environmental impact
- Superior downhole galling resistance
- Applies easily in extreme conditions

### Typical Physical Properties

Physical appearance	grey
Penetration	300 – 330 (ASTM D217)
Weight/gallon	10.4 lbs/gal
Dropping point	550°F/288°C
Flash point	396°F/202°C
Brushable to	-40°F/-40°C
Torque factor	1.0 (per API RP 7A1)
Salt spray	1500 hrs. min. (ASTM B117)

BESTOLIFE "4010"® NM is the fourth generation of the highly successful Bestolife family of compounds designed to address the environmental concerns related to the use of thread compounds for rotary shouldered and premium connections. "4010" NM was especially developed for the ecologically sensitive areas of the world, such as the North Sea, Nova Scotia, Newfoundland, the South Atlantic, Alaska, and Sakhalin Island.

Bestolife "4010"® NM combines the excellent low temperature application properties of Bestolife 3010® ULTRA with superior downhole galling resistance and enhanced ecotoxicological properties to provide the ideal drill-string solution for all rotary shouldered (drill pipe/tool joints/drill collars) and many proprietary premium self-sealing casing/tubing connection applications, irrespective of offshore drilling location.

Bestolife 4010® NM has the ability to prevent galling of contact surfaces (including non-magnetic materials) under high bearing loads and to form a continuous gasket between the shoulders of a rotary connection during make-up. This is achieved through the innovative combination of graphite and other non-toxic materials, which interact to form a seal when compressed between seals, threads, and shoulders during make-up to provide performance properties which are equal to the very best heavy metal compounds. The gasket-like seal prevents connection wash-out, even under high internal fluid pressures and the combined loading of directional drilling, to provide maximum protection in the toughest conditions. Also effective for use on slides, jacking systems, cantilever type rigs and assemblies.

Bestolife 4010® NM applies easily to cold wet connections exposed to seawater in ambient temperatures as low as -40°F/-40°C and yet provides optimum protection in the deepest, hottest holes. Will provide lubrication and protection to 600°F/316°C and the solids will protect to 1000°F/538°C.

### Packaging and Storage

Bestolife "4010"® NM is supplied in 5 gal plastic pails.

