



PRODUCT INFORMATION

MPC-2002

APPLICATION : MPC-2002, a proprietary blended product, contains environmentally safe rheological and plugging agents designed for seepage and loss circulation control. MPC-2002 can be prepared in pills containing 10-40ppb for major losses or used as a seepage control agent at 4-10ppb.

MPC-2002 pills remain pumpable as viscosity is not dependent upon cross-linking.

MPC-2002 Physical and mud property data:

Physical State	Powder
Color	Gray/Brown
Odor	None
pH	Not applicable
Boiling Range/Point	Not applicable
Flash Point	Not applicable
Explosion Limits (%)	Not applicable
Density @20C	33.7 lb/cu. ft.
Solubility in Water	Insoluble

SAFE HANDLING: Handle as an industrial chemical, wearing protective equipment and observing the precautions as described on the Material Safety Data Sheet (MSDS)

PACKAGING: MPC-2002 is packaged in 50 Lb. sacks.



COMPARISON OF MPC-2002 TO IMPACT'S LCP 2000

PARTICLE SIZE DISTRIBUTION

% RETAINED ON

Screen analysis	LCP 2000	MPC- 2002
20mesh	36.7	32.5
40mesh	21.1	20.1
60mesh	10.9	8.2
80mesh	6.8	6.2
100mesh	4.1	4.1
200mesh	10.9	13.4
-200mesh	9.5	15.5
API filtrate @ 25lbs/bbl	53ml	33ml
Permeability Plugging Test		
250micron disk, spurt loss, ml	12	12.5
30min filtrate,ml	16.0	16.0
Ash Content,%	17.9	16.4

MPC- 2002Versus LCP-2000 Comparison

Base Mud

350 ml water
 22.5 ppb Untreated Bentonite
 5 ppb Ferro Chrome Lignosulfonate
 2.5 ppb Lignite
 1 ppb Caustic Soda
 20 ppb Rev Dust
 110 Barite
 20 ppb Additives*

Additives*

MPC-2002

LCP-2000

The PPT evaluation was tested at 250 F.

	35 Micron Spurt	35 Micron PPT	60 Micron Spurt	60 Micron PPT	90 Micron Spurt	90 Micron PPT
MPC-2002	7	27	6	24	24	58
LCP-2000	14	44	6	38	31	59