

Carboxymethylcellulose (CMC)[®]

Product Description

A classic cellulose polymer additive that remains widely used in oil and gas drilling operations worldwide. It is available in two grades: low-viscosity (CMC-LV) and high-viscosity (CMC-HV). CMC-LV is primarily used to reduce API fluid loss and has minimal impact on drilling fluid viscosity; CMC-HV, on the other hand, serves both to reduce fluid loss and increase viscosity, significantly improving the rheological properties and cuttings-carrying capacity of the drilling fluid.

Applications/Features

- Excellent loss-reduction performance
- Good thickening and suspending capabilities
- Good salt tolerance
- Good water solubility and rapid dissolution rate
- Compatible with a wide range of drilling fluid systems

Technical Indicators

Item	CMC-LV	CMC-HV
Appearance	White powder	White powder
Type	Low-viscosity	High-viscosity
Moisture Content	≤10%	≤10%
pH (1% solution)	6.5 ~ 8.5	6.5 ~ 8.5

