

PRODUCTS TECHNICAL DATA

PRODUCT NAME : Chromium acetate based crosslinking agent, **ME-CRCR**

ME-CRCR is Chromium acetate based crosslinking agent. **ME-CRCR** is to produce organometallic complex cross-linked polymer fluids using in profile control and oil displacement agent.

ME-CRCR to make the Organic gel crosslinking agent system has a very short gelation time and fast reaction speed. As time increases, the viscosity increases first and then decreases. The viscosity of the gel is above 5000 mPa / S.

ME-CRCR is an organic compound, which is prepared by redox reaction and forms a complex with organic acids.

ME-CRCR has anti-shearing, gelation time is controlled, sealing ratio is high, plugging strength greatly and stronger resistance to erosion ability and select the feature such as shut-off capacity, and the preparation method of this adjusting driving agent is simple, result of use is good, for improving oil recovery factor. On the other hand, **ME-CRCR** has conquered the weakness of linear PAM in anti-shearing, heat-resistance and salt tolerance. The partly crosslinked structure of the agents endows with its excellence in heat-resistance, elastic deformation and anti-shearing strength, while its partly branched structure feature contributes to the high viscosity and suspension properties, and therefore, the synthesized copolymer of the present **ME-CRCR** can act as oil displacement agent with potent control capability in a heterogeneous oil reservoir.

Appearance: colorless viscous liquid. Recommended dosage: 2-4%

Mechanical & Chemical Properties:

Items	Index
Cr ³⁺ content	≥ 2.5%
Freezing point °C	≤ -10°C
Gelation viscosity mPa.s (room temperature, 6h)	≤ 1000
Gelation time h (60°C)	≤ 72
Gelation viscosity mPa.s (60°C)	≥ 10000
Dehydration rate (60°C, 120h)	≤ 1.0%