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Combizell O Series
Hydroxyethyl Cellulose
for Oil Petrochemical

● Presentation of product

Combizell O series HEC is non-ionic water-soluble polymer, it is effective in thickening, bonding, emulsifying, dispersing, stabilizing and water preserving, forming film and providing protective colloid effect. It is very easily soluble not only in cold water, but also in hot water, and can provide solutions with wider range of viscosity.

● Quality of product

Combizell O series HEC is made from natural polymer cellulose, is non-ionic water-soluble polymer, it is yellowish or white, odorless and tasteless powdered solid.

● Product application

Combizell O series HEC is mainly used as viscosifier and water loss controller in oil drilling industry. High-viscosity HEC is mainly used as viscosifier in well-completing or finishing fluid; while low-viscosity HEC is mainly used as water loss controller. HEC used as thickener will impart good mobility and stability to various slurries necessary for drilling, completion, cementing and fracturing operations. In drilling, HEC can increase the sand carrying capability of the slurry and extend the service life of drill bits. In low-solid content completion fluid and cementing fluid, the excellent water loss control performance of HEC can prevent large amount of water in the slurry from entering into the oil reservoir and enhancing the stabilizing capability of the wall of the reservoir.

● Quality indicators

Product name	Viscosity range mpa.s	Moisture，% ≤	pH	Appearance
O300	150-450（2%）	6.0	6.0~8.5	White to slightly yellow power
O2000	1500-3000（2%）	6.0	6.0~8.5	White to slightly yellow power
O6000	4000-8000（2%）	6.0	6.0~8.5	White to slightly yellow power
O15000	700～1500（1%）	6.0	6.0~8.5	White to slightly yellow power
O50000	1500～2600（1%）	6.0	6.0~8.5	White to slightly yellow power
O50000	2600～3400（1%）	6.0	6.0~8.5	White to slightly yellow power
O100000	3400～6000（1%）	6.0	6.0~8.5	White to slightly yellow power

Attention: The above viscosity values are all obtained using Brookfield Viscometer at 25℃

● Packing & storage

N.W.: 25±0.25kg / package,
Inner: Polyethylene plastic film bag,
Outer: Three-in-one composite paper bag.
Under the drying condition if stored in closed pocket can achieve long-term preservation.