

Petrochemical O Series Of Hydroxyethyl Cellulose

O300、O2000、O6000、O15000、O100000

Presentation of Product

O series of HEC is made from natural polymer cellulose, is non-ionic water-soluble polymer, it is white to slightly yellow, odorless and tasteless powdered solid.

Quality of Product

O series of 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.

Product applications

O series of 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

| Type | Viscosity mpa.s | Moisture, % ≤ | Ash, % ≤ | pH |
|---------|-----------------|---------------|----------|---------|
| O300 | 150-400 (2%) | 6.0 | 8.0 | 6.0~8.5 |
| O2000 | 1500-2500 (2%) | 6.0 | 8.0 | 6.0~8.5 |
| O6000 | 4500-6500 (2%) | 6.0 | 8.0 | 6.0~8.5 |
| O15000 | 700~1500 (1%) | 6.0 | 8.0 | 6.0~8.5 |
| O100000 | 3300~4200 (1%) | 6.0 | 8.0 | 6.0~8.5 |
| | 4200~4800 (1%) | 6.0 | 8.0 | 6.0~8.5 |
| | 4800~6000 (1%) | 6.0 | 8.0 | 6.0~8.5 |

Attention: The above viscosity values are all obtained using Brookfield Viscometer at 25°C, LVD.

Packing & storage

N.W.: 25 ± 0.25 kg / 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