

Technical Data Sheet

Hydroxy Ethyl Methyl Cellulose

Product Description:

HEMC is a type of non-ionic cellulose ether made from highly pure cotton cellulose materials through a series of chemical processes. It is characterized by water solubility, water retention, non-ionic, stability of PH value, surface activity, temperature reversible, gelling properties, thickening property, film form-ability, lubrication property etc.

Physical Property:

- Appearance: White or similar to white powder, odorless.
- Graininess: More than 98.5% sieving rate for 100 mesh; Totally 100% sieving rate for 80 mesh.
- Carbonation Temperature: 280-300 °C.
- Apparent Density: 0.25 to 0.70 g/cm³.
- Color-change Temperature: 190-200 °C.
- Surface Tension: 42-56 dyn/cm in 2% aqueous solution.
- Solubility: HEMC is soluble in water and some organic solvents. Its aqueous solution has surface activity. The solubility changes with the viscosity. The higher viscosity, the better solubility. The performance is different for different HEMC. HEMC solubility is not affected by PH value.
- Methoxyl content: With the reduction of methoxyl content, gel point raise up, water solubility reduce, surface activity decrease.
- Inertness: No heat, chemical inertness, and not participate in the metabolism of human body.

Application Range:

- Dry-Mix Mortar
- Cement-Based Mortar
- Gypsum-Based Mortar
- Skim Coat
- Tile Adhesive
- Wall Putty
- Gypsum Plaster

Specifications:

Item	Index
Methoxyl Content (%)	17.0-30.0
Hydroxypropoxyl Content (%)	4.0-12.0
Gel Temperature (°C)	58.0-90.0
Moisture Content (%)	≤5.0
PH Value	6.5-8.0
Viscosity by NDJ-1	350-200000

Key Properties:

- Offers good water-retention
- Strong adhesion
- Improve the work-ability
- Make fast hydration for reliable performance
- Avoid the lump formation
- Improve anti-slip performance

Packing and Storage:

- Multiply paper bag.
- 25kg Net Weight per package.
- Can be designed&customized by requirement.
- Avoid contact with oxidant during storage and transportation.
- Easy absorb moisture and agglomerate, store in cool and dry place.
- Better store off the floor by pallet.

Hebei Derek Chemical Limited

Address:303HepingRoadEastRoad,ShijiazhuangCity,HebeiProvinceChina
Tel:0086-311-68073226 Mob&Whatsapp : +86 13739737001 Email:sales3@derekchem.com