



TDS of VAMCELL™ Hydroxypropyl Methyl Cellulose

VAMCELL™ is our registered trademark of Cellulose ethers

Introduction:

VAMCELL™ MHPC is made by propylene oxide, methyl chloride with alkali-cellulose after a chemical process called Etherification under rigidly controlled conditions. The resultant nonionic polymer is purified, dried and ground to a fine white powder, this water-insoluble cellulose is turned into water-soluble nonionic polymer, HPMC is a good film-former and varies somewhat in physical and chemical properties. HPMC is quite hydrophilic and readily soluble in cold water.

CAS NO: 9004-65-3

Appearance: white or off-white powder

Taste: odorless and tasteless

Carbonization temperature: 280-300 °C

Bulk density: 0.25-0.70g/cm³

True specific gravity: 1.26-1.31

Specification:

	E60	F65	K70
Methoxy (%)	28.0-30.0	27.0-30.0	19.0-24.0
Hydroxy propyl (%)	7.0-12.0	4.0-7.5	4.0-12.0
Gel. Temperature (°C)	58.0-64.0	62.0-68.0	70.0-90.0
PH value(1% Sol., 25 °C)	4.0-8.0		
Residue on ignition (%)	1.0 Max		
Loss on drying (%)	5.0 Max		
Particle size (% , Through 100 mesh)	98 Min		
Heavy Metals (ppm)	20 Max		
Arsenic (ppm)	2 Max		
* Viscosity (mpa.s)	5-75000		

* **Viscometer: Brookfield RVT, 2% sol., 20°C.**

Benefits:

- Good water retention
- Improved adhesion and sliding resistance
- Developing workability
- Prolonging open time
- Good wetting ability
- Increased mortar yield

**Application:**

- Construction industry
- Cosmetic & Personal Care
- Paint industry
- Detergents
- Oilfield industry
- Pharmaceutical materials
- Food additives
- Polymerization
- Special application

Package:

25kg net paper bags with PE inner liner
500kg jumbo bags with PE inner liner
On clients' requirement

Storage and Transportation:

Store under dry and clean conditions, away from heat and sunlight, packaged in sealed and original bags. It is classified as a non-hazardous goods.

Safety Notice:

The above data is in accordance with our knowledge, but don't absolve the clients carefully checking it all immediately on receipt. To avoid the different formulation and different raw materials, please do more testing before using it. We reserve the right to alter our product and without informing in advance.