

HYDROXYETHY CELLULOSE

Coating Grade

Brief Introduction :

Hydroxyethyl Cellulose(HEC) is a non-ionic cellulose ether . It is easily dispersed and dissolved in water to produce solution of high viscosity. HEC is used as a viscosity and rheology modifier, protective colloid, water retention agent, stabilizer and suspending agent, particularly in those applications where a non-ionic material is desired. The product has higher and more uniform degree of substitution, improved the enzyme resistance.

Physical and chemical index

Appearance	white or similar to white powder
Moisture(%)	Max. 8.0
Loss on drying	≤5.0%
PH	6.0-8.5
Particle Size	min.92% pass through 80 mesh
Apparent Density	0.30-0.50 g/ml

Product Specification

Hydroxyethyl Cellulose	Brookfield Viscosity 1% Solution , at 20° C
HEC - 30000E	1500-2500 mPa.s
HEC - 50000E	2500-4500 mPa.s
HEC - 100000E	4800-6000 mPa.s

Application

Hydroxyethyl Cellulose(HEC) is recommended as thickening agent in water-based paint. It provides excellent thickening efficiency, color development, open time, and superior resistance to biodegradation. It also play a role in the emulsion, dispersion, stability and water retention. The coating has good rheological properties at different shear rates, and has good workability and leveling, not easy to drop, good splash and sag resistance.

Packaging

25kg paper bags with PE inner. 20'FCL:15MT with pallets or 16MT without pallets.

Storage and Shelf Life

3 years under cool, dry conditions in original packaging away from heat sources. It is

recommended to use the product in rotation on a first-in first-out basis.

Health and safety

Please see separate Material Safety Data Sheet

CAS Name: HEC

CAS No.: 9004-62-0

HS code: 391239