

## HYDROXY ETHY CELLULOSE

### HEC – 100000SE

#### Product Description:

HEC – 100000SE is a Hydroxy Ethyl Cellulose. It is easily dispersed and dissolved in water to produce solution of high viscosity. It is an enzyme resistant grade, used as a viscosity and rheology modifier, protective colloid, water retention agent, and 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. 6.0                         |
| Loss on drying               | ≤5.0%                            |
| PH                           | 6.0-8.5                          |
| Ash content                  | Max.5%                           |
| Particle Size                | min.92% pass through 80 mesh     |
| Apparent Density             | 0.30-0.50 g/ml                   |
| Viscosity 1% Solution , 25°C | 3,300-6,000 mPa.s                |

Brookfield, 25%, LV, 1% solution in water.

#### Application

HEC – 100000SE 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.

The recommended dosage is 0.5-1% of total weight.

#### Packaging

25kg paper bags with PE inner. 20'FCL: 15MT with pallets or 18MT 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

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