

## Combizell C/HC Series

### hydroxyethyl cellulose for cosmetics and household

Combizell C/HC series hydroxyethyl cellulose (HEC) is a kind of non-ionic water-soluble polymer made from natural cellulose. It's a series of white or yellowish powders that are easily dispersed and dissolved in cold or hot water to produce solutions of varying viscosities. Combizell C/HC series are used as viscosity modifier, water retention agent, suspending agent, binder, stabilizer, and protective colloid.

Combizell C/HC series HEC are widely used in shampoo, conditioner and cosmetics as film forming agents, binders, thickeners, stabilizers and dispersants. It can also be used as an anti-precipitation agent for detergents. Detergents added with HEC can make the fabric feel silky and smooth. In addition, in the tobacco recycling industry, Combizell C/HC can also be used as film forming agent and binder.

### TYPES AND SPECIFICATIONS

Combizell C/HC has been treated to delay hydration of the particles. This treatment prevents lumping as the powder is added to water. At neutral pH and ambient temperatures, Combizell disperses without lump formation and dissolves readily in water to give clear, smooth solutions, which exhibit a pseudoplastic flow behavior.

The types of Combizell C/HC mainly differ in their solution viscosity, users can choose freely according to application requirements.

#### Typical specification of Combizell C/HC series

Types	Viscosity, mPa.s	Moisture, %	pH	Appearance
C300	150-450 (2%)	≤6.0	6.0~8.5	White or yellowish powder
C2000	1500-3000 (2%)	≤6.0	6.0~8.5	White or yellowish powder
C6000	4000-8000 (2%)	≤6.0	6.0~8.5	White or yellowish powder
HC15000	700~1500 (1%)	≤6.0	6.0~8.5	White or yellowish powder
HC30000	1500~2600 (1%)	≤6.0	6.0~8.5	White or yellowish powder
HC50000	2600~3400 (1%)	≤6.0	6.0~8.5	White or yellowish powder
HC100000	3400~5000 (1%)	≤6.0	6.0~8.5	White or yellowish powder
C100000 PLUS	5000~6000 (1%)	≤6.0	6.0~8.5	White or yellowish powder

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

### PACKAGING AND STORAGE

Combizell is packed in three-in-one paper bags with a polythene lining of 25Kg ( $\pm 0.25$ ) net. The products should be stored under dry and clean conditions in its original packing and away from heat. Combizell is a non-perishable powder, if stored in an airtight bag, it can be stored for a long time under dry conditions.

### PRODUCT SAFETY

Read and understand the Safety Data Sheet (SDS) before using the product.