



Technical Data Sheet

Item No.: HEC-E10

Product Overview

Hydroxyethyl Cellulose (HEC) is a non-ionic, water-soluble cellulose ether designed for water-based coatings, latex paints, personal care, household cleaning and other industrial formulations. HEC-E10 provides efficient thickening, rheology control, water retention, suspension and formulation stability. It helps improve viscosity control, pigment and filler suspension, application properties and storage stability in water-based systems.

Application performance

Desc	Level of improvement
Thickening property	high
Rheology control	high
Suspension property	good
Formulation stability	good
Water retention	good

Recommended Applications

Recommended for water-based coatings, latex paint, architectural coatings and emulsion paint systems. HEC-E10 can also be used in personal care and household cleaning formulations where thickening, rheology control, suspension and formulation stability are required.

operating guide

1. Add HEC-E10 gradually into water under continuous agitation to ensure uniform dispersion and avoid lump formation.
2. Continue stirring and allow sufficient hydration time until a homogeneous viscous solution is obtained.
3. Add pigments, fillers and other formulation ingredients according to the production process, then adjust final viscosity as required.

Typical Data

Desc	Range
Appearance	White or off-white powder
Viscosity, mPa.s	8,000-12,000
Molar substitution (MS)	1.8-2.5
Moisture content, %	<=5.0
Ash content, %	<=5.0
pH	6.0-8.5
Particle size	>=98% passing 80 mesh

* Viscosity is a typical target range for HEC-E10 and should be confirmed against the final factory COA/test method before commercial release. The data listed above are typical only and should not be taken as an indication of the quality of the product.

Packing/Storage&Transportation;/Shelf Life

Standard Packing
25kg/Bag or 20kg/Bag
Keep sealed and protect from high temperature, pressure and especially high humidity.

Shelf Life

Keep in dry and cool conditions for at least 12 months. If the product is stored beyond its shelf life, tests should be carried out to determine quality before use.

product safety

Not classified as dangerous material under EU law; For further information, see the Product Safety Data Sheet.

The above information and recommendations are based on our current experience and are for reference only. It does not exclude the responsibility of users to conduct their own tests.