



## Technical Data Sheet

CELPOLY<sup>®</sup> HPS-TE587

## Hydroxypropyl Starch Ether

CELPOLY<sup>®</sup> TE587 is an ionic starch ether produced by a series of chemical and physical reactions under alkaline conditions from starch, a natural macromolecule material. CELPOLY<sup>®</sup> TE587 is a non-toxic, odorless, irregular phosphorus sheet or white powder, which can be dissolved in cold water to form transparent or translucent viscous liquid. It has the properties of thickening, adhesion, dispersion, emulsification, suspension, adsorption, surface activity and moisture retention.

## Product Properties

White appearance; Good fluidity, Good water solubility

Good transparent &amp; colorless aqueous solution &amp; good stability

## Product Specification

Ash content	1.6-3.2 %	Moisture	≤5.0 %
Protein	5.0-7.0 %	PH Value	5.0-8.0
Fat	≤3.0 %	Chloropropanol	≤0.0005 %
Viscosity	≥1000 mPa.s	Sulfur dioxide	≤0.003 %

## Recommended application

Food industry; Paper making industry

Textile industry; Pharmaceutical industry

Daily chemical industry; Construction (building material binder)

## Packing

CELPOLY<sup>®</sup> is packed in 25 kg multilayer paper bag with intermediate layer and inner P.E. bag.

## Storage and Safety instructions

When stored in closed containers, or in its original packaging in a dry place at room temperature, CELPOLY<sup>®</sup> can be kept for a long time. In the case of high viscosity grades, a slow loss of viscosity can be measured after lengthy storage (>1 year). CELPOLY<sup>®</sup> absorbs water from moist air. Once opened, package must be resealed and kept tightly closed.

CELPOLY<sup>®</sup> constitutes a dust explosion hazard. Dust formation and deposits must be kept to a minimum so that no ignitable dust/air mixtures can form. Ignition sources such as naked flames, hot surfaces, spark and static electricity should be avoided. CELPOLY<sup>®</sup> starts to decompose at about 200°C. Its ignition temperature is >360°C. It burns easily and the fire may spread.