Hydroxyethyl Cellulose (HEC) Very High Viscosity, 100,000 mPa·s

HEC 100000 | hydroxyethyl cellulose oilfield grade | CAS 9004-62-0

Product Description

Hydroxyethyl cellulose (HEC) about 100,000 mPa·s is a nonionic, water-soluble cellulose ether made by reacting cellulose with ethylene oxide. It is used as a thickener, stabiliser, water-retention agent and film-former, and works with salts, surfactants and a wide pH range. Ochnology is a manufacturer and supplier of HEC and supplies it in India and for export, with a TDS, MSDS and COA for each lot.

Typical Specification

Parameter	Typical value
Appearance	White to off-white free-flowing powder
Chemical name	Hydroxyethyl cellulose (CAS 9004-62-0)
Viscosity, 2% aqueous solution, 25 °C (mPa·s)	80,000 – 120,000
Hydroxyethyl molar substitution (MS)	2.0 – 2.5
Particle size	98 % min passing 80 mesh
Moisture (%)	5.0 max
Ash (%)	5.0 max
pH, 1% solution	6.0 – 8.5
Solubility	Soluble in hot and cold water; insoluble in most organic solvents

Supply Details

Item	Detail
Form	Powder
Packing	As per order; 25 kg bags
Storage	Store dry in closed packing, away from moisture, heat and direct sunlight
Transport classification	Not classified as dangerous goods
Certification	COA supplied with each lot

Typical Applications

- Oilfield drilling, workover and completion fluids
- Fracturing fluids
- High-performance coatings
- Specialty construction chemicals

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