

TECHNICAL DATA SHEET

HYDROXY ETHYL CELLULOSE

PRODUCT DESCRIPTION:

HEC is a non-ionic soluble cellulose ethers derived from natural fibers. It is easily dispersed and dissolved in water to produce solution of high viscosity. HEC has excellent functionalities in thickening Suspension, binding emulsion film stability, dispersion water retention, anti-microbial properties and colloid protection etc. HEC is commonly used as thickener in paints & coating formulation to increases the viscosity of the product.

PROPERTIES

HEC provides high performance in increasing viscosity.
Suspension pigment particles, moisture-retention in paint.
To improve paint abrasion ability.
Enzyme Resistance to extend the shelf life product.
Excellent moisture retention property.

TECHNICAL SPECIFICATION

Item	Specification	Result
Appearance	White to slightly yellowish powder.	Conform
Particle size	Min 90% pass 80 mesh size	Conform
pH	5.0-9.0	6.8
Ash content %	6.0 %	5.8
Moisture %	6.0 %	5.4
Viscosity Brookfield RV 1% solution	4000 – 6000 m Pa S	4500 m Pa S

APPLICATION

HEC is excellent thickener, stabilizer in water-based paint.

Coatings and microbial resistance.

HEC used as thickening agent, binder in liquid detergent.

HEC used in other industries like cosmetics, petroleum mining industries.

DOSAGES

0.3 -0.4 % to the weight of total material.

STORAGE

Product should be stored in tightly packed container and it should be placed at dry

Place away from direct sunlight in sealed packaging.

SHELF LIFE

Storage time should not exceed 12 months from receipt of delivery.

PACKING:

25 kg Bag

