



# HANSON CHEMICALS

## Product Name

DURACOAT (TM) Hypromellose (Food Grade HPMC)

## General Information

DURACOAT (TM) Hypromellose is a water-soluble hydroxypropyl methylcellulose (hypromellose) cellulose ether polymer with moderate hydroxypropyl substitution and high methoxy content. It is compatible with some common organic solvents. Commonly used as a rheology and flow modifier, thickener, wet granulation binder, capsule shell coating agent, eye drop stabilizer, and suspension aid in various applications. DURACOAT (TM) improves lubricity and spreadability via thixotropic rheology and reversibly gels above 64°C, boosting green strength for food and pharmaceutical applications. It is highly efficient at improving formulation rheology and viscosity at lower concentrations compared to other water-soluble polymers.

## Specifications

Appearance	Off-white Powder
Viscosity (mPa.s)	4 - 6
pH	5.0 - 8.0
Loss on Drying (%)	<=5.0
Residue on Ignition (%)	<=1.5
Methoxy (%)	28.0 - 30.0
Hydroxypropoxy (%)	7.0 - 12.0
Heavy Metals (%)	<=0.002
Arsenic (%)	<=0.0002
Total Aerobic Microbial Count (cfu/g)	<=10 <sup>3</sup>
Total Molds and Yeasts Count (cfu/g)	<=10 <sup>2</sup>
Escherichia Coli	Negative

## Packaging

- 25 kg Drum packing with inside polyethylene woven bag

## Storage and Shelf Life

2 years from manufacturing date. Store in a cool, dry place away from direct sunlight.