

# HPMC D983 TDS

## Product Description

Product Name Hydroxy propyl methyl cellulose (HPMC) D983

**HPMC D983** is high viscosity of Hydroxy propyl methyl cellulose for construction application. As one of non-ionic cellulose ethers, Hydroxy propyl methyl cellulose (HPMC) is produced from natural high molecular cotton cellulose through series of chemical changes.

CAS No.:	9004-65-3	Delayed Solubility:	Adjustable
Physical Property:	Non-toxic	Modification:	No
Etherification:	Standard etherification		

## Product Specification

Item	Index	
Appearance	White powder	
Methoxyl group (%)	27-33	
Hydroxyl propyl group (%)	4-12	
Gelation temperature (°C)	60-90	
PH value (1% solution)	5.0-8.0	
Ash content (%)	3MAX	
Surface tension (dyn/cn, 2%sl)	42-57	
Moisture (%)	5.0max	
Particle size	80 Mesh passed 100%	
	NDJ-1, 6r/min, 2%solution,20°C (mPa.s )	150 000 ~ 210 000
Viscosity	Brookfield-RV-7, 20r/min,2%solution,20 °C (mPa.s )	55 000 ~ 72 000

## Recommended Application

- Gypsum based plaster
- Anti-cracking mortars
- EIFS/External wall insulation system mortar
- Tile adhesive
- Wall putty
- Crack filler

Tip: The application above is only for reference. Actually, the end-users usually find various applications.

## Feature

- Workability: Excellent
- Thickening: High
- Spattering resistance: High
- Water retention: Excellent

## Package & Loading & Storage

Bag:	Polyethylene (PE) film bag enclosed in composite film bag waterproof. 25kg/bag	
Load:	14tons (560 bags) in 1*20'FCL	25tons (1000 bags) in 1*40'HQ
Storage:	Under well ventilated, cool and dry place, against direct sunshine and far away from fire.	
OEM:	Accepted.	

## Safety Note

(i.)The specification mentioned above is tested in accordance with our equipment and knowledge. Considering delivery and storage, it may affect product quality, so the buyer should test it as soon as it arrives at buyer's destination. (ii.) Due to different application conditions and regulations in different temperature, time or areas, the application is only for reference. (iii.) Animal toxicology and human dermatology studies have been conducted. Acute oral toxicity tests showed no adverse effects on rats at doses up to 6g/kg body weight. Meanwhile, please keep cellulose ethers out of reach of children and eyes. The Seller reserves the right of final explanation.