

Technical Data Sheet

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Page 1, Total 1

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Item Name:

HPMC

PRODUCT INFORMATION

Chinese Name:	羟丙基甲基纤维素
Commodity Name:	HPMC
Chemical Name:	Hydroxypropyl Methyl Cellulose
Other Name:	MHPC, E464, Hypromellose
CAS No.:	9004-65-3
Molecular Weight:	324.285
Molecular Formula:	C ₁₂ H ₂₀ O ₁₀

PRODUCT DESCRIPTION

HPMC is mainly used in the field of painting, especially in waterborne painting formula. A protective colloid, will enhance the emulsion polymerization's stability to evenly scatter the pigment and filler into the paint, imparting a uniform pigment adhesion effect. HPMC improves the viscosity of latex and emulsion paints, reducing splash and improving sag resistance, creating a better and more workable product.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	White to off-white powder, odorless and tasteless
pH (1%, 25°C)	6.0 - 8.0
ASH, %	≤ 5.0
Viscosity (2% soln. 20°C), mPa.s	120000 - 180000
Methoxy Group, %	27 - 30
Hydroxyethoxy, %	6 - 10
Moisture (H ₂ O), %	≤ 5.0
Toxicity	Non-toxicity
Solubility	Soluble in water
Gelation Temperature, °C	60 - 65
Particle Size	100 Mesh

MAIN APPLICATION

Painting industry.

PACKING, LOADING AND SHELF LIFE

Packing: 25kg PP bag with PE liner

Loading: 25mt/20'fcl

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.