

Paint Grade CMC

Introduction

Carboxymethyl cellulose (CMC) is a kind of anionic polymer and cellulose derivative with carboxymethyl groups bound to some of the hydroxyl groups of the glucopyranose monomers that make up the cellulose backbone. It is often used as its sodium salt, sodium carboxymethyl cellulose.

Application

- Used in water-soluble paint and coatings, plastic emulsion paint, foundry coatings.
- Can improve brushing performance of paints and restrict crystalline growth of fillers.
- Improve the stability of emulsion polymerization system.
- Make the improve color stabilization and adhesive effect.

Function

- Thickening
- Binding
- Stabilizing
- Emulsifying
- Dispersing
- Deflocculating
- Water retention

Package

25kg per multi -layer kraft paper bag with PE inner bag. Package can be customized as required. Once open it, please use up ASAP.

Storage & Shelf Life

Store in a cool, dry, and ventilated place within a well-sealed container. Shelf life is 24 months. However, as a result of natural degradation process the viscosity of CMC may decrease in time. Therefore, after 12 months from date of manufacturing, the product can still be used safely up to the indicated expiry date, but may need a slight dosage correction in order to give optimum performance in the application.

Main Specification

Model	PM6	PH1000	PH3000	PH5000	PH6000
Description	White to off-white free flow powder, hygroscopic after drying				
1% Viscosity (mPa.s)		1000-2000	3000-4000	5000-6000	6000-7000
2% Viscosity (mPa.s)	400-2000				
Degree of substitution	0.75-0.9				
pH	6.0-8.5				
Purity (%)	≥98.0%				
Loss on drying (%)	≤10				
Chloride content (%)	≤1.5%				

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Note: Products with different viscosities, degrees of substitution, and particle sizes can be customized Yutai according to the specific requirements of customers.