Technical Data Sheet

FORTUNE BIOTECH
峰润生物科技

Ceramic 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

· Increase surface tension of glaze
· Uniformly disperse ingredients in glaze
· Enhance plasticsity of silt. Easy molding of blank
· Increase bending-resistant strength, and smoothness of glaze
· Avoid spalling and formation of air bubbles owing to change of blank strength after glazing. Reduce pinholes of glaze after drying to get smooth and compact glaze.

Function

· Thickening and Hydration
· Binding
· Water Retention and Lubricity
· Deflocculation and Dispersion

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	C0492	C1002	C1092	C1592	CM6
Appearance	White fine free flow powder, odorless, tasteless and non-toxic.				
1% aqueous solution viscosity (mPa.s)				2000-2500	
2% aqueous solution viscosity (mPa.s)	300-400	800-1200	800-1500		1500-2000
Degree of substitution	>0.9				0.8 - 0.9
pH	6.5-8.5				
Sodium chlroide	≤3.0%				
Loss on drying	≤10.0%				
Purity	≥98.0%				

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

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