



FSX Chemical
Pure Cellulose. Powerful Solutions.

FOSHAN FUSHIXIN CHEMICAL CO.,LTD

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SPECIFICATION OF CARBOXYMETHYL CELLULOSE (CMC) FOR TEXTILE PRINTING

Product Name: Fushixin® Carboxymethyl Starch (CMS) Printing Paste

Synonyms: Sodium Carboxymethyl Cellulose

HS Code: 3912310000

Application: Textile Printing & Dyeing

Description:

Fushixin® CMC is a highly pure, high-performance polymer specifically designed as a thickening agent for reactive dye printing. It ensures a smooth and uniform paste, preventing screen clogging and enabling the creation of intricate patterns with exceptional color yield and brightness. Our products are widely trusted for their stable quality, excellent rheological properties, and consistent performance, making them an ideal choice for the textile industry.

TECHNICAL DATA SHEET

TECHNICAL DATA SHEET	General Specifications	Appearance	Viscosity (mPa.s/cps, Brookfield) (1%, 20°C Solution)				Viscosity (1%, 20, mPa.s)	pH	Degree of Substitution (DS)	Pigment paste stability
			10H	13H	15H	18H				
CMC	Parameters	White or yellowish powder, or yellowish granules	2500-3000	1500-2500	1000-2000	800-1600	50-3000	≤15	1.0-2.3	≥72h

Degree of Substitution (DS)				pH (1%, 25°C Solution)				Moisture (%)				Particle Size (Mesh)			
10H	13H	15H	18H	10H	13H	15H	18H	10H	13H	15H	18H	10H	13H	15H	18H
1.0	13	1.5	1.8	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	≤15	≤15	≤15	≤15	20-70	20-70	20-70	20-70

Degree of Substitution (DS)		Viscosity (mPa.s/cps, Brookfield) (1%, 20°C Solution)		pH (1%, 25°C Solution)		Moisture (%)		Particle Size (Mesh)	
Y002	Y230	Y002	Y230	Y002	Y230	Y002	Y230	Y002	Y230
2.0	2.3	800-1500	800-1500	6.5-8.5	6.5-8.5	≤15	≤15	20-70	20-70

Note: Test methods should follow the Fushixin® Standard Document FSX-NK6-2011.

PACKAGING AND STORAGE

Packaging: 25kg net weight in kraft paper bags with inner PE liner, or other packaging options as per customer request.

Storage:

1. Store in a cool, dry, and ventilated place. The ambient temperature should not exceed 40°C, with relative humidity not exceeding 80%.
2. This product is for industrial use only. It should not be stored with toxic substances or materials that have a strong odor.
3. The storage period should not exceed 2 years from the date of production
4. Products should be protected from water and package damage during transportation.