

Carboxymethyl Cellulose; CMC; CT Series

Textile Grade

Textile Grade CMC (Carboxymethyl Cellulose) is a water-soluble polymer used in the textile industry. It serves as a thickener and stabilizer in printing and dyeing processes, enhancing color adhesion and fabric strength. With excellent dispersing properties, it can ensure even dye distribution. Its water retention capabilities improve efficiency during wet processing. Eco-friendly and versatile, it contributes to high-quality textiles.

Specification

Appearance	White to cream powder
pH value	6.0 - 8.5
Moisture, %	Max. 10

Grade

Grade	D.S	Viscosity ^a (mPa.s)
CT5A3B	1.5 – 1.6	150 - 250 (1%) ³
CT7A7T	1.0 – 1.1	3000 - 4000 (1%) ²
CT5B5M	Min. 1.5	800 - 1500 (2%) ¹

^a Brookfield viscosity @ 25°C

¹ 2% aqueous solution, Spindle number 2, 30rpm

² 1% aqueous solution, Spindle number 3, 30rpm

³ 1% aqueous solution, Spindle number 2, 60rpm

Packaging & Storage

Standard Packing	50 lb bag, 40 bags per pallet 25 kg bag, 40 bags per pallet
Storage	Each unit is labeled with product name and lot number. Store in a cool, dry area for optimal shelf life.
Handling	For safe handling of this product, please refer to the Safety Data Sheet (SDS).

Shelf Life

Shelf Life	2 years
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Usage & Application

Typical Dosage	0.1 to 1%
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Applications

- Thickener: enhances the viscosity of dye pastes and printing pastes, ensuring even distribution of color on the fabric during the printing process.
- Stabilizer: stabilizes pigment dispersions, ensures even distribution of dyes and chemicals in textile processing.
- Binder: acts as a binder to improve the adhesion of fibers in the weaving process, increasing the strength and abrasion resistance of yarns and reduces breakage.
- Finishing Agent: aids in the formation of a smooth film on the fabric surface, enhancing the fabric's softness, smoothness, and overall quality.
- Water Retention: maintains the moisture content of textiles during wet processing, reducing fiber damage and improving handling efficiency.

Regulatory Information

CAS No.	9004-32-4
HS Code	3912.31
Country of Origin	Made in China

Date Updated: Sep 22, 2022

Disclaimer: The information provided in this document is based on tests that we believe to be reliable. However, the results of these tests may vary under different conditions and methodologies. It is the responsibility of the prospective user to determine the suitability of our products for their specific use. The user is responsible for ensuring that their use of our products, as well as their workplace practices, are in compliance with all applicable laws and regulations.

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Sidere Technology, Inc.
4690 World Houston Pkwy
Houston, TX 77032
support@sideretech.com

www.sideretech.com