

# Carboxymethyl Cellulose; CMC; CT Series

## Papermaking Grade

Papermaking Grade CMC (Carboxymethyl Cellulose) is a water-soluble polymer used in paper production. It improves paper formation, enhances retention of particles, and reduces impurities. It creates a uniform paper structure, improves surface properties, and is eco-friendly. Its versatility makes it a valuable tool for improving the efficiency and quality of papermaking processes.

### Specification

Appearance	White to cream powder or granular
pH value	6.0 – 8.5
Moisture, %	Max. 10

### Grade

Grade	D.S	Viscosity <sup>a</sup> (mPa.s)
CT7B1A	Min. 1.0	30 - 60 (2%) <sup>1</sup>
CT3B3E	0.9 - 1.1	150 - 250 (2%) <sup>1</sup>
CT3A5F	Min. 0.95	500 - 700 (1%) <sup>2</sup>

<sup>a</sup> Brookfield viscosity @ 25°C

<sup>1</sup> 2% aqueous solution, Spindle number 2, 30rpm

<sup>2</sup> 1% aqueous solution, Spindle number 3, 30rpm

### 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

- Retention Aid: enhances the retention of fine fibers and fillers in the paper pulp, improving the paper's uniformity and reducing waste.
- Binding Agent: acts as a binding agent, increasing paper strength and making it more durable.
- Flocculant: promotes the agglomeration of small particles and help to remove impurities from the pulp suspension, improving smoothness and printability of paper.
- Surface Sizing Agent: creates a thin, uniform film on the paper's surface, making it suitable for printing and writing applications.
- Sheet Formation Improver: aids in the formation of uniform paper sheets, reducing issues like sheet breaks and non-uniformity.
- Eco-friendly: aligns with sustainable practices in the paper industry.

### 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](http://www.sideretech.com)