

# Carboxymethyl Cellulose; CMC; CG Series

## Battery Grade

Battery Grade CMC (Carboxymethyl Cellulose) is designed for use in batteries, especially in lithium-ion and lead-acid types. It acts as a binder, improving electrode cohesion, and a film-forming agent, enhancing electrolyte management. Its dispersing properties ensure uniform distribution of active materials. This specialized CMC contributes to better battery performance, safety, and efficiency. This high purity and stability CMC plays a crucial role in improving the lifespan of advanced energy storage solutions.

technical data sheet

### Specification

Appearance	White to cream powder
Purity, %	Min. 99.5
Gel particles, count/25 cm <sup>2</sup>	Max. 30
pH value	6.0 - 8.5
Moisture, %	Max. 10
Chloridion (NaCl), %	Max. 0.6
Fe, ppm	Max. 25
Cu, ppm	Max. 25

### Grade

Grade	D.S	Viscosity <sup>a</sup> (mPa.s)
CG3A6R	0.85 - 0.95	1,000 – 2,000
CG3A6N	0.85 - 0.95	2,000 – 3,000
CG3A7C	0.85 - 0.95	3,000 – 4,000
CG3A7B	0.85 - 0.95	4,000 – 5,000
CG3A8E	0.85 - 0.95	5,000 – 6,000
CG3A8G	0.85 - 0.95	6,000 – 7,000

<sup>a</sup> Brookfield viscosity 25°C, 1% aqueous sol., Sp#3/12rpm

Date Updated: Sep 12, 2022

### 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 5%
Applications	
-	Anode Binder
-	Cathode Primer / Cathode Underlayer

### Regulatory Information

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

**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)