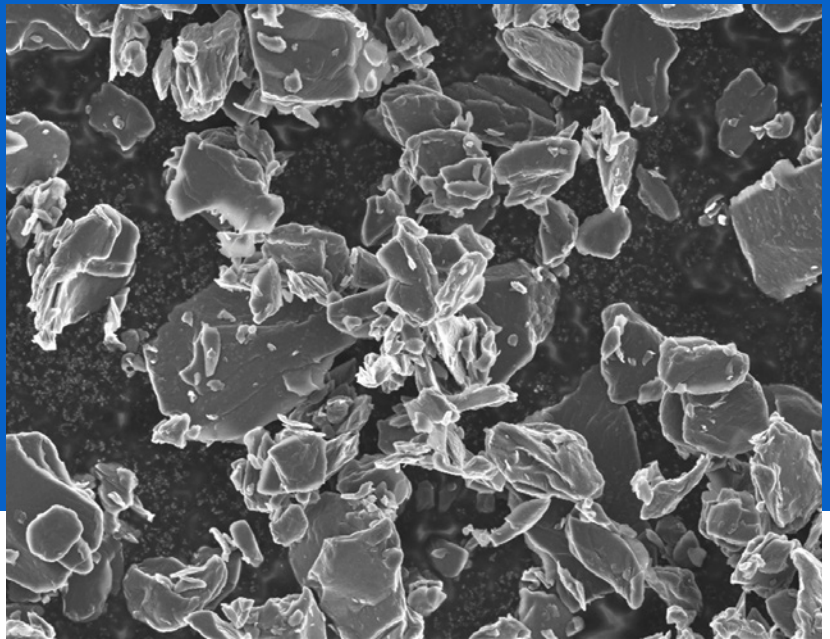




# G2000-5 $\mu$ m Synthetic Graphite Anode Powder

TECHNICAL DATA SHEET

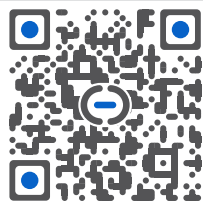
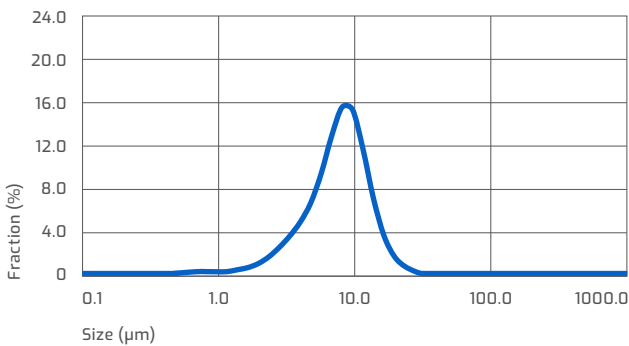


**STATUS: DEVELOPMENT**

## Typical Properties

Item	Unit	G2000 (5 $\mu$ m)	Test Method	
Particle Size Distribution	D10	$\mu$ m	2.7	Laser Diffraction
	D50	$\mu$ m	5.9	
	D90	$\mu$ m	10.0	
	D99	$\mu$ m	15.6	
Moisture	weight%	$\leq 0.01$	ASTM-C562-91	
Tap Density	g/cm <sup>3</sup>	0.87	ASTM B527	
Specific Surface Area	m <sup>2</sup> /g	2.93	BET	
Reversible Discharge Capacity	mAh/g	352	Delithiation: C/100 CC	
1st Cycle Discharge Efficiency	%	92.5	Lithiation: C/20 CC Delithiation: C/20 CC	

## Particle Size Distribution



FOR MORE INFORMATION, VISIT:  
[ANOVIONTECH.COM](http://ANOVIONTECH.COM)

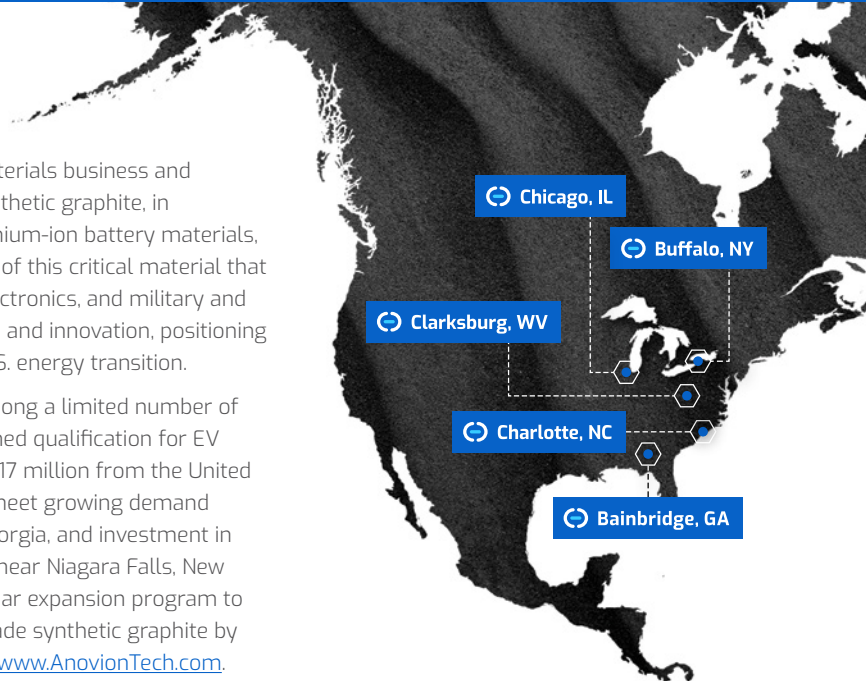
CONNECT:  
[CONTACT@ANOVIONTECH.COM](mailto:CONTACT@ANOVIONTECH.COM)

DISCLAIMER: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

## About

Anovion Technologies is a U.S.-owned and based advanced materials business and commercial-scale manufacturer of premium, anode-grade synthetic graphite, in production today. As a leader in clean energy production of lithium-ion battery materials, Chicago-based Anovion Technologies is a key domestic source of this critical material that powers electric vehicles, energy storage systems, personal electronics, and military and defense applications. Our strategic vision is to focus on growth and innovation, positioning Anovion Technologies as a climate tech-driven leader in the U.S. energy transition.

Anovion began commercial production in early 2021 and is among a limited number of graphite anode producers in America to have successfully gained qualification for EV applications. In 2022, Anovion was awarded a grant totaling \$117 million from the United States Department of Energy to scale production capacity to meet growing demand with the construction of a large-scale factory in Bainbridge, Georgia, and investment in its relocated Advanced technology Center of Excellence (ACE) near Niagara Falls, New York. Anovion Technologies has begun commencing a multi-year expansion program to target 150,000 metric tonnes of annual capacity for anode-grade synthetic graphite by 2030. To learn more about Anovion Technologies, please visit [www.AnovionTech.com](http://www.AnovionTech.com).



- US-owned/operated and sourced raw materials
- Graphitization technology produces high crystallinity and low impurities by heating the product over 3,000°C
- Enables industry-leading battery life
- Unique particle morphology enables industry best electrode energy density
- Low irreversible volume expansion for improved safety and quality
- Proprietary low-emission thermal treatment processes



## Our Production Capacity

ESTABLISHED AND GROWING

### 2020-21

ACE R&D PILOT FACILITY,  
SANBORN, NY  
SMALL-SCALE PRODUCTION TODAY

### 2025

LARGE-SCALE  
MANUFACTURING FACILITY,  
BAINBRIDGE, GA  
UP TO 40,000 TPA CAPACITY  
MODULAR DESIGN

### 2026+

ADDITIONAL  
MANUFACTURING FACILITY  
TARGET 150,000 TPA MINIMUM  
MODULAR DESIGN

**HQ:**  
311 SOUTH WACKER  
CHICAGO, IL 60606

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