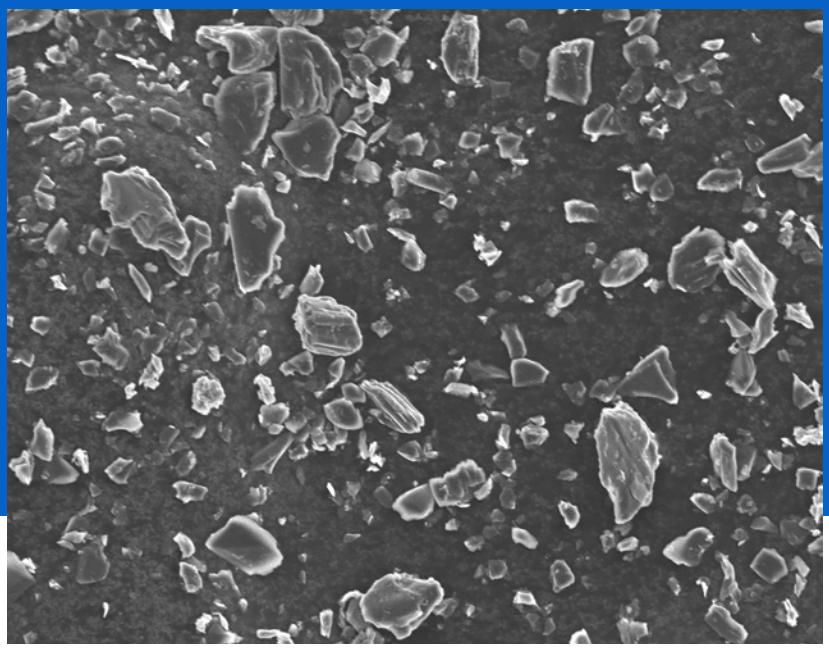
THE CLIMATE TECH-DRIVEN ADVANCED MATERIALS COMPANY

ANOVION™
TECHNOLOGIES

G2000-20µm Synthetic Graphite Anode Powder

TECHNICAL DATA SHEET

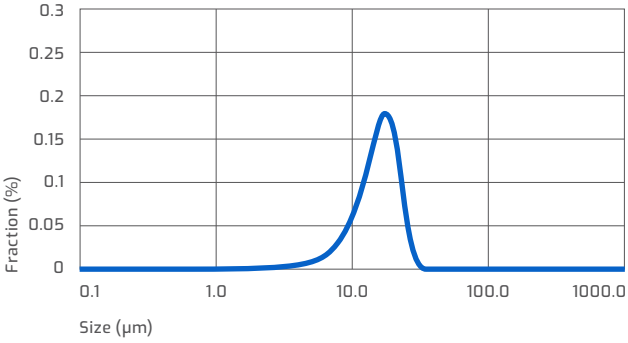


STATUS: COMMERCIALIZED

Typical Properties

Item		Unit	G2000 (20 µm)	Test Method
Particle Size Distribution	D10	µm	5.5	Laser Diffraction
	D50	µm	17.2	
	D90	µm	39.3	
	D99	µm	67.1	
Moisture		weight%	≤ 0.01	ASTM-C562
Tap Density		g/cm³	1.20	
Specific Surface Area		m²/g	1.32	BET
1st Cycle Charge Capacity		mAh/g	361	0.01–1.5V C/20 CC Cycle
1st Cycle Discharge Efficiency		%	93	
Reversible Discharge Capacity		mAh/g	350	Delithiation: C/10 CC to 1.5V CV with C/100 Cutoff

Particle Size Distribution



FOR MORE INFORMATION, VISIT:
ANOVIONTECH.COM

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CONTACT@ANOVIONTECH.COM

ANOVION™
TECHNOLOGIES

Securing the supply chain of our electrified future

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.

- 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

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