



Carbon is Life

Carbon is the basic building block of all organic substances and is therefore the basis of all living things. Because carbon combines readily with oxygen, giving off heat as a by-product, it is also a vital energy source. Carbon is one of the most useful of all chemical elements, and Asbury Carbons is the most experienced processor of carbon products for industry use today.

Carbons are Asbury

Amorphous carbons such as coal, petroleum coke, pitch coke, active carbon and carbon black have unique physical and chemical properties. These properties enable us to process amorphous carbons into a myriad of industrial products including chemical-reducing agents, carbide-forming reagents, metallurgical products, cathodic protection materials and absorbing carbons just to name a few.

Carbon in the form of crystalline graphite possesses a combination of properties including lubricity, refractoriness, chemical inertness, as well as thermal and electrical conductivity. These properties make graphite the material of choice for thousands of end-use applications, including friction materials, crucibles, refractories, cements, lubricants, chemical tank linings, powder metal parts, polymer compounds, drilling fluids, electric motor brushes, batteries, artificial diamonds and others too numerous to mention.



**Be safe, be sure with your friction application.
Use Asbury Carbons.**

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Friction
Products



We Meet Your Specifications and Exceed Your Expectations.

Asbury leads the world in supplying carbons and graphite to manufacturers of friction products including disc brake linings and pads, clutch facings, sintered friction products, and specialty friction materials.

Be safe, be sure... use Asbury.

THE MANUFACTURER and SUPPLIER OF CHOICE

When it comes to friction products, Asbury Carbons gives you all the advantages:

- We offer the largest selection of high-quality products.
- We ship from conveniently located plants in the U.S. and from warehouses in Europe and Asia.
- To help keep freight costs low, we engage a worldwide network of distributors.
- Overseas shipments are available from East coast, West coast and Gulf ports.
- Packaging choices include bags, bulk sacks, and bulk trucks and barges.
- And of course, Asbury Carbons offers custom processing and packaging.

Asbury Carbons sets industry standards in the areas that matter most to our customers.

Quality — All Asbury Carbons products are made to strict specifications. Each of our manufacturing operations has its own quality control labs to constantly monitor our products for the friction industry.

Variety — Asbury Carbons is the only supplier offering every type of product currently available for the friction industry. We continually develop new product breakthroughs that make other industry mainstays obsolete.

Reliability — Asbury Carbons is a well-established graphite and carbon company with proven excellence since 1895. Each shipment can be furnished with a no-charge “Report of Analysis” certifying standard specifications and specially requested information.

Availability — Manufacturing plants and major warehouses in the U.S. and Canada, as well as a facility in Asia, provide quick delivery and keep freight costs low.

SPECIALTY MATERIALS FRICTION PRODUCTS

Asbury specialty lubricants include molybdenum disulfide, antimony trisulfide and calcium fluoride as well as friction modifiers and specialty materials like iron copper sulfide, zinc sulfide, potassium titanate, gilsonite, mica fillers and proprietary products such as Sicacell, Ultimate and Adaptive SRI. We will provide or process any material to meet your friction challenges.

Lubricants
Molybdenum Disulfide
Antimony Trisulfide
Ultimate
Calcium Fluoride
Iron Copper Sulfide
Zinc Sulfide

Processing Aids/Modifiers/Stabilizers
Sicacell
Potassium Titanate
Gilsonite
Mica
Rubber

CARBON and GRAPHITE PRODUCTS

Our products include all natural and synthetic graphites, Graphco, metallurgical cokes, petroleum cokes, and specialty carbons such as carbon fibers, activated carbon, hard carbon and carbon black.

You can count on Asbury graphite products to provide good lubrication at high temperatures. Graphite’s ability to help lay down a transfer layer helps stabilize friction over a wide range of temperatures. Graphite’s good thermal stability helps to eliminate “hot spots.”

Benefits of Graphite	Benefits of Carbon
Moderate friction	Stabilizes friction
Solid lubricant	High thermal properties
Aid in transfer layer	Increases life of the friction material
Thermal stability	Will not harm the mating surface
Noise reduction	Helps reduce noise by increasing the internal porosity of the friction material
Low reactivity with other constituents	

Graphites		
Amorphous	Size	C (min)
9D8X	20 x 100	80
505	85% – 325	80
1155 Special	20 x 100	84
Crystalline Flake		
3609	– 100 Mesh	95
3562	+ 50 Mesh	96
3160	– 100 Mesh	99
3061	+ 50 Mesh	99
Crystalline Vein		
2040	20 x 80	90
2159	80% – 325	88
Synthetic		
4052	20 x 40	99
4071	20 x 100	99
4235	20 x 100	99
4110	80 x 200	99
4390	100 x 0	99
A625	90% – 325	99
Specialty Synthetic		
4800	30 x 80	99
4005	20 x 100	99
4003	100 x 325	99
4002	97% – 325	99
Purified Synthetic		
4443	20 x 100	99.5
4421	90% – 325	99.5
Graphco		
4955	20 x 100	98
4956	100 x 325	98
4957	90% – 325	98

Cokes		
Calcined Sponge	Size	C (min)
4079	20 x 100	99
4249	95% – 200	99
Calcined Needle		
4935	40 x 140	99
Specialty Cokes		
4335	20 x 200	99
4339	20 x 200	94
262	20 x 200	98
Metallurgical Cokes		
4072C	80% – 325	88
Specialty Carbons		
Activated Carbons		
5562	90% – 200	90
5588	90% – 325	90
Carbon Black		
5990	90% – 325	99
5991	Bead	99
Hard Carbon Cokes		
30 x 200	30 x 200	88
– 200	90% – 200	88
Coal Products		
SeaCoal – C3/B2	20 x 325	50
ACFM-2	20 x 100	83
Carbon Fibers (0.5", 0.25", 0.125", milled)		
AGM62/94/99	Pan Based	
AGM95	Pitch Based	
CarboBeads		
Fine	60 x 200	99
Medium	40 x 200	99
Coarse	10 x 100	99

