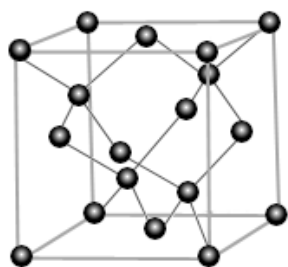


The Many Forms of Carbon

Carbon is one of the most abundant elements in the universe and the element on which the atomic weight system is based. ($^{12}\text{C} = 12.0000$). Although C_{60} was later found to exist in space, the laboratory production and documentation of the fullerenes, combined with the interest in the production of diamond films for materials applications, spurred the current interest in the many research uses of carbon and its various forms.

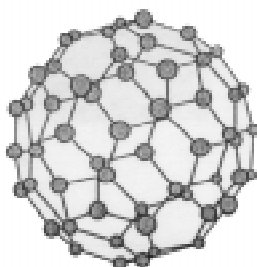
Here are a few examples of the carbon forms offered by Aldrich at very competitive prices. Contact your local office today to place your order!

Check out our Website at www.sigma-aldrich.com and send us your suggestions for other new materials if you do not find what you need through our searchable online catalog. We welcome your input and ideas! "Please bother us!"

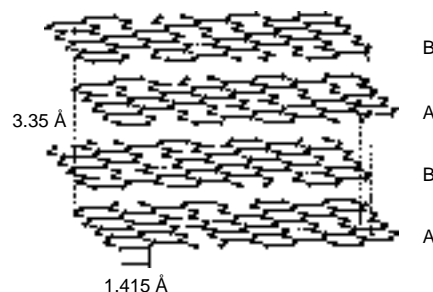


Bond lengths = 1.54 Å

Diamond



Buckminsterfullerene (C_{60})



Graphite

Diamond

48,357-5	Natural, monocrystalline, powder, ~1 μm, 99.9%	1g; 5g
48,359-1	Synthetic, monocrystalline, powder, ~1 μm, 99.9%	1g; 5g
48,360-5	Synthetic, monocrystalline, powder, ~50 μm, 99.9%	1g; 5g
48,358-3	Synthetic, polycrystalline, powder, ~1 μm, 99.9%	1g; 5g

Glassy Carbon

48,416-4	Spherical powder, 2-12 μm, 99.99+%	10g ; 50g
48,415-6	Spherical powder, 10-40 μm, 99.99+%	10g; 50g

Graphite

49,653-7	Rod, 3mm diam. x 150mm length, 99.999%, low density	43.5g (43.5g ~25 rods)
49,655-3	Rod, 6mm diam. x 150mm length, 99.999%, low density	180.7g (180.7g ~ 25 rods)
28,286-3	Powder, 1-2 μm, synthetic	25g; 1kg

Fullerenes

37,964-6	Buckminsterfullerene, (C_{60}), 99.5%	25mg; 100mg; 500mg
48,303-6	Buckminsterfullerene, (C_{60}), 98%	250mg; 1g
48,299-4	[5,6]-Fullerene-C_{70}, 99%	10mg; 50mg
37,965-4	[5,6]-Fullerene-C_{70}, 96%	10mg 50mg; 250mg
48,295-1	Fullerene-C_{76}, 98%	5mg
48,297-8	Fullerene-C_{78}, 98%	5mg
48,298-6	Fullerene-C_{84}, 98%	5mg

Carbon Nanotubes

41,298-8	Bucky tubes, as-produced cylinders	100mg; 500mg
41,299-6	Bucky tubes, powdered as-produced cylinders	100mg; 500mg
41,300-3	Bucky tubes, cylinder cores, shell removed	100mg; 500mg
40,607-4	Bucky tubes, powdered cylinder cores	25mg; 100mg; 500mg



ALDRICH® *chemists helping chemists in research & industry*

P.O. Box 355, Milwaukee, WI 53201 USA Telephone: 414-273-3850 • 800-558-9160 Fax: 414-273-4979 • 800-962-9591 Web Site: www.sigma-aldrich.com

Aldrich is a member of the Sigma-Aldrich family.