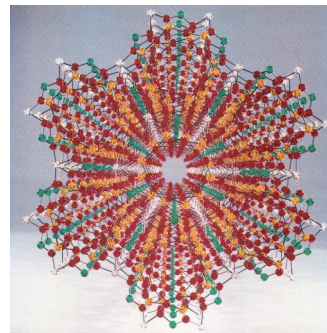


Miramodus Limited

Beevers Molecular and Crystal Models



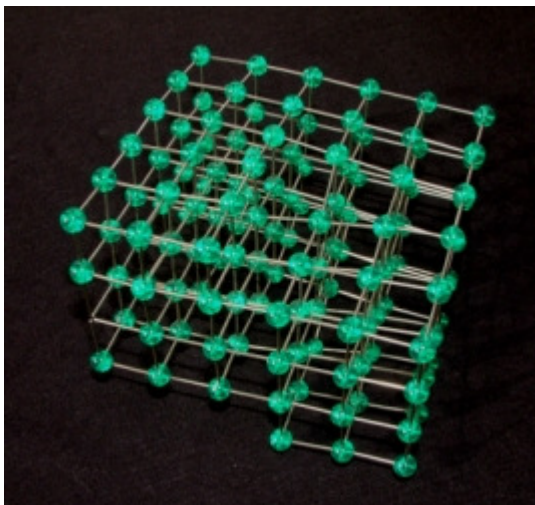
Price list
January 2010

<http://www.miramodus.com/>

About “Beevers” Models

Beevers models were originally designed by Dr Arnold Beevers in Edinburgh, Scotland. They represent the very best quality and accuracy that is available in molecular and crystal modelling. All our models are of Museum display quality, giving you first class models with an accuracy that can't be matched by the use of standard molecular modeling kits.

We normally manufacture to a scale of 1cm to 1Å, which means that the resulting models are a convenient size for display or teaching. The manner of the construction means that the models have a much greater clarity - the rigid metal bonds are only 1mm in diameter, much thinner than those in models kits, meaning that the atoms are seen much more easily, and the structure is more clearly defined.



The bonds are accurate to 0.1mm, and the bond angles at the atoms are accurate to better than 1°. The result is that you see features that would never appear in models built from atoms with 'standard' angles. In molecules and extended lattices, there *are* no standard angles. The model of a crystal of a screw dislocation, shown on the right, cannot be built from conventional model kits.

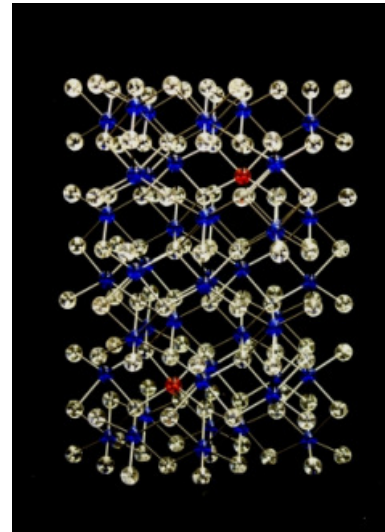
The bonds are inserted into tight fitting holes in the atoms without the use of any glue. It is the tight fit and the accuracy of the drilling that holds the structures together. The accuracy of the bond angles means that the subtle features of many structures are visible in a way that is not possible with standard model kits. We've lost count of the number of people who've found something new and interesting in the structure of their materials that they've missed in other methods of visualisation.

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CRYSTAL STRUCTURES

Acmite	$\text{NaFe}(\text{SiO}_3)_2$	210-00-352	£ 225.10
Akaganeite	$\text{FeO} \cdot \text{OH}$	150-45-279	£ 172.30
Akermanite	$\text{Ca}_2\text{Mg}_2\text{Si}_2\text{O}_7$	106-00-160	£ 98.70
<i>n</i> -Alkane (Wax) -small	$\text{CH}_3(\text{CH}_2)_n$	90-189-300	£ 123.90
-large		280-588-972	£ 403.60
Alum	$\text{AlK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$	205-126-296	£ 198.70
β -Alumina	$\text{Na}_2\text{O} \cdot 11\text{Al}_2\text{O}_3$	217-00-354	£ 227.60
β'' -Alumina	$\text{MgO} \cdot \text{Na}_2\text{O} \cdot 5\text{Al}_2\text{O}_3$	424-00-722	£ 460.20
γ -Alumina	$\text{Al}_{21.33}\text{O}_{32}$	292-00-530	£ 286.70
κ -Alumina	Al_2O_3	177-00-319	£ 139.60
Aluminium Beryllium Silicate (Beryl)	$\text{Al}_2\text{Be}_3(\text{SiO}_3)_6$	358-00-480	£ 309.30
Aluminium Calcium Silicate (Epidote)	$\text{Ca}_2\text{Al}_2\text{SiO}_4 \cdot \text{Si}_2\text{O}_7 \cdot \text{O} \cdot \text{OH}$	160-08-270	£ 172.30
Aluminium Chloride	AlCl_3	90-00-126	£ 62.90
Aluminium Fluoride Silicate (Topaz)	$\text{Al}_2\text{F}_2\text{SiO}_4$	246-00-342	£ 197.40
α -Aluminium Hydroxide (Bayerite)	$\text{Al}(\text{OH})_3$	90-72-180	£ 112.60
γ -Aluminium Hydroxide (Gibbsite)	$\text{Al}(\text{OH})_3$	135-108-270	£ 171.00
Aluminium Hydroxysilicate (Kaolinite)	$\text{Al}_2(\text{OH})_4\text{Si}_2\text{O}_5$	170-340-280	£ 183.60
Aluminium Hydroxysilicate (Montmorillonite)	$\text{Al}_2(\text{OH})_2\text{Si}_4\text{O}_{10} \cdot n\text{H}_2\text{O}$	284-80-490	£ 320.70
Aluminium Iron Hydroxysilicate (Chloritoid)	$\text{Al}_2(\text{Fe}, \text{Mg})\text{O}(\text{OH})_2\text{SiO}_4$	190-40-352	£ 259.00
Aluminium Iron Hydroxy Silicate (Staurolite)	$\text{Fe}_2\text{Al}_9\text{Si}_4\text{O}_{22}(\text{OH})_2$	240-08-403	£ 279.20
Aluminium Magnesium Oxide (Spinel)	Al_2MgO_4	180-00-272	£ 143.40
Aluminium Magnesium Silicate (Cordierite)	$\text{Mg}_2\text{Al}_3(\text{Si}_5\text{Al})\text{O}_{12}$	520-00-760	£ 486.60
Aluminium Magnesium Silicate (Sapphirine)	$(\text{Mg}, \text{Al})(\text{Si}, \text{Al})\text{O}_{20}$	1333-00-2399	£ 1,403.20
Aluminium Nitride	AlN	39-00-58	£ 22.60

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Alumina, rendered as ruby (Cr doped Al_2O_3)

Aluminium Oxide (Corundum)	Al_2O_3		
hexagonal cell		171-00-282	£ 152.20
(1,-1,0,2) surface + epitaxial Nb		162-00-342	£ 202.50
(0,0,0,1) surface + epitaxial GaN		537-00-593	£ 355.90
Aluminium Oxide (Gamma)	$Al_{21.33}O_{32}$	292-00-530	£ 286.70
Aluminium Oxide (Kappa)	Al_2O_3	177-00-319	£ 139.60
Aluminium Oxide Hydroxide (Boehmite)	$AlOOH$	120-25-216	£ 135.80
Aluminophosphate sieve AIPO4-54	$Al_{18}P_{18}O_{72}.42H_2O$	532-96-772	£ 372.20
Aluminium Potassium Hydroxysilicate (Muscovite)			
	$KAl_2(Si_3Al)O_{10}(OH)_2$	276-16-450	£ 294.20
Aluminium Potassium Sulphate (Alum)	$AlK(SO_4)_2.12H_2O$	205-126-296	£ 198.70
Aluminium Silicate (Sillimanite)	Al_2SiO_5	181-00-258	£ 157.20
Aluminium Silicate (Andalusite)	Al_2SiO_5	190-00-310	£ 192.40
Aluminium Silicate (Kyanite)	Al_2SiO_5	212-00-322	£ 221.30
Aluminium Silicate (Mullite)	$2Al_2O_3.SiO_2$	160-00-228	£ 139.60

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Aluminosilicate anion - Beta, polymorph A		2068-00-2648	£ 1,145.40
- Beta, polymorph B		2226-00-2982	£ 1,320.20
- Chabazite		558-00-708	£ 324.40
- EU1		438-00-582	£ 264.10
- Faujasite - Unit Cell		1464-00-1872	£ 855.00
- One void		672-00-864	£ 394.80
- Faujasite (hexagonal)		1428-00-1848	£ 842.40
- Ferrierite		744-00-944	£ 440.10
- Heulandite		846-00-1220	£ 567.10
- Levyne		1020-00-1316	£ 611.10
- Linde Molecular Sieve A			
- Supercage		120-00-144	£ 66.10
- Unit cell		528-00-672	£ 306.80
- Linde L - unit cell (4 channels)		1612-00-2072	£ 943.00
- 1 channel		600-00-748	£ 342.00
- Mordenite		1172-00-1464	£ 681.50
- P		336-00-416	£ 220.10
- Rho		1056-00-1344	£ 613.60
- Sodalite (framework)		364-00-480	£ 220.10
- Sodalite (+Na)		448-00-672	£ 363.40
- Theta 1		704-00-880	£ 411.20
- VPI-5	$\text{Al}_{18}\text{P}_{18}\text{O}_{72}\cdot 42\text{H}_2\text{O}$	532-96-772	£ 372.20
- ZK5		1584-00-2016	£ 936.70
- ZSM5		959-00-1208	£ 598.50
- ZSM11		1096-00-1356	£ 651.30
Alunite	$\text{KAl}_3(\text{OH})_6(\text{SO}_4)_2$	207-60-400	£ 259.00
2-Amino-5-Nitropyridinium Dihydrogen Phosphate	$(\text{C}_5\text{NH}_4)\cdot \text{NH}_2\cdot \text{NO}_2\text{H}_2\text{PO}_4$	266-122-384	£ 284.20
2-Amino-5-Nitropyridinium L-monohydrogentartrate	$\text{C}_9\text{H}_{11}\text{N}_3\text{O}_6$	220-84-297	£ 218.80
Ammonium Iron Chloride	NH_4FeCl_3	163-00-438	£ 254.00
Ammonium Magnesium Phosphate (Struvite)	$\text{NH}_4\text{MgPO}_4\cdot 6\text{H}_2\text{O}$	105-102-195	£ 143.40
Ammonium Nitrate (Phase III)	NH_4NO_3	360-00-498	£ 316.90

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Ammonium Nitrate (Phase IV)	NH_4NO_3	276-00-413	£ 247.70
Ammonium Oxalate Monohydrate	$(\text{NH}_4)_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$	114-72-147	£ 95.60
Ammonium Picrate 1,10Phenanthroline	$\text{C}_{18}\text{N}_6\text{O}_7\text{H}_{14}$	300-142-456	£ 340.80
Ammonium Silicophosphate	$(\text{NH}_4)_2\text{SiP}_4\text{O}_{13}$	357-00-496	£ 359.60
Ammonium Tetrathiomolybdenum	$(\text{NH}_4)_2\text{MoS}_4$	104-00-210	£ 113.80
Analcime	$\text{Na}(\text{AlSi}_2\text{O}_6)(\text{H}_2\text{O})$	460-00-634	£ 406.10
Anatase	TiO_2	119-00-174	£ 86.20
Andalusite	Al_2SiO_5	190-00-310	£ 192.40
Anorthite	$\text{CaAl}_2\text{Si}_2\text{O}_8$	298-00-446	£ 417.50
Antimony	Sb	90-00-189	£ 95.60
Antimony Lithium	SbLi_3	65-00-266	£ 176.10
Antimony(III) Sulphide (Stibnite)	Sb_2S_3	100-00-201	£ 117.60
Antimony Tellurium Oxide Chloride	$\text{Sb}_3\text{TeO}_6\text{Cl}$	149-00-296	£ 216.30
Antimony(III) Zinc Oxide	ZnSb_2O_4	111-00-154	£ 89.90
Antimony(V) Zinc(II) Oxide (Trirutile)	ZnSb_2O_6	81-00-115	£ 56.10
Antlerite	$\text{Cu}_3(\text{OH})_4\text{SO}_4$	131-49-243	£ 172.30
Apatite	$\text{Ca}_5\text{F}(\text{PO}_4)_3$	150-00-285	£ 162.20
Aragonite	CaCO_3	96-00-176	£ 84.90
Arsenic -orthorhombic	As	90-00-153	£ 78.60
-rhombohedral	As	90-00-189	£ 96.20
Arsenic(III) Selenide	As_2Se_3	141-00-168	£ 102.50
Arsenic / Silicon {100} surface	As/Si	97-00-152	£ 66.70
Arsenic / Silicon {111} surface	As/Si	56-00-87	£ 34.80
Arsenic(III) Sulphide (Orpiment)	As_2S_3	141-00-150	£ 104.40
Arsenic(III) Telluride	As_2Te_3	108-00-196	£ 101.30
Atacamite	$\text{Cu}_2\text{Cl}(\text{OH})_3$	65-30-130	£ 85.50
Aurichalcite	$(\text{Cu},\text{Zn})_5(\text{OH})_6(\text{CO}_3)_2$	413-96-700	£ 431.30
Baddeleyite	ZrO_2	145-00-224	£ 144.60
Barium Borate	BaB_2O_4	292-00-469	£ 300.50
Barium Cadmium	BaCd_{11}	250-00-710	£ 531.90
Barium Dicalcium Propionate	$\text{BaCa}_2(\text{C}_2\text{H}_5\text{COO})_6$	490-424-924	£ 684.00
Barium Copper Sulphide	BaCu_4S_3	153-00-303	£ 174.80
Barium Ferrite	$\text{BaFe}_{12}\text{O}_{19}$	140-00-231	£ 143.40
Barium Manganese(II) Fluoride	BaMnF_4	197-00-356	£ 217.60

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Barium Sodium Antimony Oxide	Ba(Na,Sb)O ₃	89-00-204	£ 132.10
Barium Strontium Niobate	(Sr,Ba)ONb ₂ O ₅	237-00-454	£ 264.10
Barium Sulphate (Barytes)	BaSO ₄	180-00-282	£ 158.50
Barium Sulphate (showing {001} and {210} faces)	BaSO ₄	300-00-497	£ 282.90
Barium Titanate (tetragonal)	BaTiO ₃	89-00-204	£ 132.10
Barium Zinc Ferrite	BaZn ₂ Fe ₁₆ O ₂₇	189-00-324	£ 200.00
Barytes	BaSO ₄	180-00-282	£ 158.50
Barytes (showing {001} and {210} faces)	BaSO ₄	300-00-497	£ 282.90
Bayerite	Al(OH) ₃	90-72-180	£ 113.20
Benzalazine	C ₁₄ N ₂ H ₁₂	160-96-304	£ 201.20
Benzene (solid)	C ₆ H ₆	170-00-212	£ 113.20
Benzoquinone	C ₆ H ₄ O ₂	150-00-184	£ 117.60
Beryl	Al ₂ Be ₃ (SiO ₃) ₆	358-00-480	£ 309.30
α-Beryllium	Be	19-00-60	£ 36.50
β-Beryllium	Be	15-00-32	£ 14.80
Beryllium Carbide	Be ₂ C	46-00-80	£ 34.80
Biotite	K(Mg,Fe) ₃ (Si ₃ Al)O ₁₀ (OH) ₂	272-20-480	£ 314.40
Bismuth	Bi	90-00-189	£ 95.60
Bismuth Calcium Strontium Copper Oxide (2122)	Bi ₂ CaSr ₂ Cu ₂ O ₈	209-00-459	£ 290.50
Bismuth Calcium Strontium Copper Oxide (2223)	Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀	257-00-608	£ 386.00
Bismuth(III) Iodide	BiI ₃	116-00-210	£ 122.60
Bismuth Orthosilicate (Eulytite)	Bi ₄ (SiO ₄) ₃	254-00-424	£ 271.60
δ-Bismuth Oxide	Bi ₂ O ₃	46-00-64	£ 35.40
β-Bismuth Oxide	Bi ₂ O ₃	36-00-52	£ 29.30
γ - Bismuth Oxide	Bi _{12.8} O _{19.2}	173-00-264	£ 173.60
Bismuth(III) oxide Silicon Oxide	Bi ₁₂ SiO ₂₀	185-00-328	£ 215.00
Bismuth(III) Telluride	Bi ₂ Te ₃	72-00-120	£ 70.50
Bismuth Uranate (20°C)	Bi ₂ UO ₆	62-00-106	£ 55.40
Bismuth Uranate (1000°C)	Bi ₂ UO ₆	118-00-204	£ 118.20
Boehmite	AlOOH	120-25-216	£ 135.80
Boracite - (Cubic)	Cr ₃ B ₇ O ₁₃ Cl	336-00-564	£ 491.60

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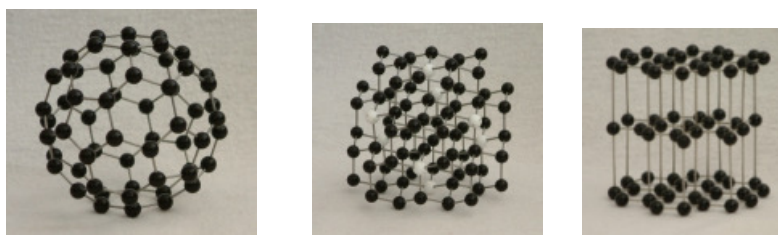
- (Orthorhombic)	Mg ₃ ClB ₇ O ₁₃	350-00-560	£ 490.40
- (Trigonal)	(Fe,Mg)ClB ₇ O ₁₃	357-00-537	£ 465.20
Boron - α-rhombohedral	B	156-00-456	£ 432.50
- β-rhombohedral	B	315-00-785	£ 1,020.90
Boron Carbide	B ₄ C	135-00-314	£ 290.50
Boron Hydride (Pentaborane-9)	B ₅ H ₉	141-00-270	£ 249.00
Boron Nitride (hexagonal)	BN	72-00-138	£ 60.40
Boron Nitride (cubic)	BN	50-00-72	£ 28.70
Braggite	PdS	186-00-288	£ 181.10
Brochantite	Cu ₄ (OH) ₆ SO ₄	220-90-417	£ 311.90
Bromine	Br ₂	46-00-109	£ 57.40
Brookite	TiO ₂	109-00-156	£ 88.70
Brownmillerite	Ca ₂ FeAlO ₅	125-00-224	£ 144.60
Brucite	Mg(OH) ₂	45-24-108	£ 58.80
Brushite	CaHPO ₄ ·2H ₂ O	239-114-390	£ 294.20
Buckminsterfullerene	C ₆₀	60-00-90	£ 36.00
Cadmium	Cd	19-00-60	£ 36.90
Cadmium Arsenide	CdAs ₂	80-00-115	£ 56.10
Cadmium Arsenide	Cd ₃ As ₂	221-00-408	£ 237.70
Cadmium Chloride	CdCl ₂	80-00-152	£ 74.90
Cadmium Germanium Arsenide	CdGeAs ₂	49-00-60	£ 38.00
Cadmium Iodide	CdI ₂	38-00-72	£ 35.40
Cadmium Selenide	CdSe	120-00-198	£ 88.10
Cadmium Telluride	CdTe	440-00-758	£ 326.90
Cadmium p-Toluene Sulphonate	(C ₇ H ₇ SO ₃) ₂ Cd·6H ₂ O	276-231-510	£ 402.40
Cadmium Trimetaphosphate	Cd ₃ (P ₃ O ₉) ₂ ·14H ₂ O	252-48-336	£ 281.70
Cadmium Tungstate	CdWO ₄	291-00-450	£ 290.50
Caesium Chloride	CsCl	35-00-64	£ 28.70
Caesium Dihydrogen Phosphate (monoclinic)	CsH ₂ PO ₄	166-56-292	£ 216.30
Caesium Manganese Chloride	Cs ₃ MnCl ₅	168-00-428	£ 246.50
Caesium Vanadium Tungsten Oxide	Cs ₈ V _{1.1} W _{13.9} O ₄₈	257-00-394	£ 286.70
Calcite - small	CaCO ₃	89-00-111	£ 48.50
- large		233-00-342	£ 152.20

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Calcium Aluminium Hydroxide Sulphate Hydrate (Ettringite)	$\text{Ca}_6(\text{Al}(\text{OH})_6)_2 \cdot (\text{SO}_4)_3 \cdot (\text{H}_2\text{O})_{25.7}$	420-00-634	£ 373.50
Calcium Aluminium Silicate (Garnet)	$\text{Ca}_3\text{Al}_2(\text{SiO}_4)_3$	419-00-786	£ 496.70
Calcium Aluminium Hydroxy Pyrosilicate Hydrate (Lawsonite)	$\text{CaAl}_2(\text{Si}_2\text{O}_7)(\text{OH})_2 \cdot \text{H}_2\text{O}$	142-34-228	£ 133.30
Calcium Aluminosilicate (Anorthite)	$\text{CaAl}_2\text{Si}_2\text{O}_8$	298-00-446	£ 417.50
Calcium Carbide	CaC_2	61-00-140	£ 80.50
Calcium Carbonate (Aragonite)	CaCO_3	96-00-176	£ 84.90
Calcium Carbonate (Calcite) - small	CaCO_3	89-00-111	£ 48.50
- large		233-00-342	£ 152.20
Calcium Carbonate (Vaterite)	CaCO_3	85-00-116	£ 65.40
Calcium Copper	CaCu_5	63-00-90	£ 54.10
Calcium Copper Acetate Hexahydrate	$\text{CaCu}(\text{CH}_3\text{COO})_3 \cdot 6\text{H}_2\text{O}$	222-340-616	£ 398.60
Calcium Fluoride (Fluorite)	CaF_2	46-00-80	£ 34.80
Calcium Fluoride Phosphate (Apatite)	$\text{Ca}_5\text{F}(\text{PO}_4)_3$	150-00-285	£ 162.20
Calcium Hydride	CaH_2	91-00-159	£ 98.70
Calcium Hydrogen Borosilicate (Datolite)	$\text{CaBSiSO}_4(\text{OH})$	105-12-156	£ 114.50
Calcium Hydrogen Phosphate (Monetite)	CaHPO_4	176-11-307	£ 193.70
Calcium Hydrogen Phosphate (Brushite)	$\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$	239-114-390	£ 294.20
Calcium Hydrogen Phosphate (OctaCalcium Phosphate)	$\text{Ca}_8\text{H}_2(\text{PO}_4)_6 \cdot 5\text{H}_2\text{O}$	207-41-374	£ 309.30
Calcium Iron Aluminate (Brownmillerite)	$\text{Ca}_2\text{FeAlO}_5$	125-00-224	£ 144.60
Calcium Iron Hydroxy Silicate (Ilvaite)	$\text{CaFe}_3\text{Si}_2\text{O}_8(\text{OH})$	148-11-270	£ 172.30
Calcium Iron Titanate	$\text{Ca}_3\text{Fe}_2\text{TiO}_8$	155-00-295	£ 159.70
Calcium Iron Titanate	$\text{Ca}_4\text{Fe}_2\text{Ti}_2\text{O}_{11}$	245-00-544	£ 294.20
Calcium Magnesium Carbonate (Dolomite)	$\text{CaMg}(\text{CO}_3)_2$	233-00-342	£ 171.00
Calcium Magnesium Carbonate Phosphate Hydroxide (Heneuinite)	$\text{CaMg}_5(\text{CO}_3)(\text{PO}_4)_3\text{OH}$	132-05-211	£ 127.00
Calcium Magnesium Hydride	$\text{Ca}_4\text{Mg}_3\text{H}_{14}$	154-00-328	£ 201.20
Calcium Magnesium Nickel Hydride	CaMgNiH_4	146-00-358	£ 120.70
Calcium Magnesium Silicate (Diopside)	$\text{CaMg}(\text{SiO}_3)_2$	224-00-372	£ 233.90
Calcium Magnesium DiSilicate (Akermanite)	$\text{Ca}_2\text{Mg}_2\text{Si}_2\text{O}_7$	106-00-160	£ 98.70
Calcium Magnesium Hydroxysilicate (Tremolite)	$\text{Ca}_2\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$	445-17-777	£ 504.20

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Calcium Manganate(III)	$\text{CaMnO}_{2.5}$	170-00-393	£ 242.70
Calcium Manganate(IV)	CaMnO_3	408-00-704	£ 482.80
Calcium Niobium Fluoride Oxide (Pyrochlore)	$(\text{Ca,Na})_2\text{Nb}_2\text{O}_6\text{F}$	253-00-442	£ 282.90
Calcium Orthophosphate (Whitlockite)	$\text{Ca}_3(\text{PO}_4)_2$	470-00-1090	£ 792.10
Calcium Stannate	CaSnO_3	99-00-168	£ 98.70
Calcium Sulphate (Gypsum)	$\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$	249-57-369	£ 281.70
Calcium(II) Tellurium(IV) Carbonate Oxide (Mroseite)	$\text{CaTeO}(\text{CO}_3)$	252-00-304	£ 192.40
Calcium Titanium(IV) Oxide (Perovskite)	CaTiO_3	89-00-204	£ 129.50
Calcium Tungstate (Scheelite)	CaWO_4	115-00-144	£ 91.80
Calomel	Hg_2Cl_2	65-00-119	£ 63.50
Carbon	C		
-Diamond, showing cell		78-00-128	£ 50.00
-Diamond, showing {100}, {110}, {111} faces		440-00-758	£ 326.90
-Diamond, 12-ball edge tetrahedron	C	652-00-1144	£ 403.76
-Diamond, hexagonal - Lonsdaleite		39-00-58	£ 18.44
-Graphite, hexagonal		67-00-105	£ 39.66
-Graphite, rhombohedral		87-00-138	£ 47.38
-Buckminsterfullerene	C_{60}	60-00-90	£ 28.64
-Amorphous	C	125-00-191	£ 102.38



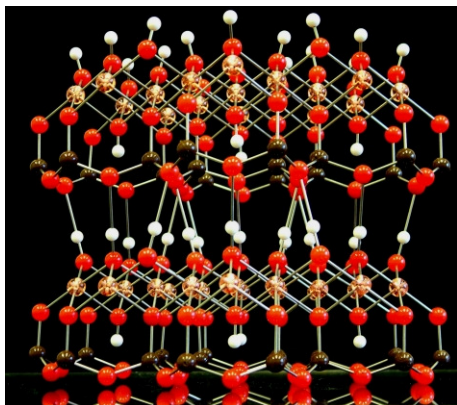
Three forms of Carbon (l to r) Fullerene, diamond and graphite

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Carbon Dioxide	CO ₂	96-00-172	£	65.78
Carborundum I (15R)	SiC	325-00-522	£	179.29
Carborundum II (6H)	SiC	272-00-430	£	147.47
Carborundum III (4H)	SiC	198-00-320	£	110.33
Cementite	Fe ₃ C	141-00-176	£	81.16
Cerium Fluoride (Tysonite)	CeF ₃	293-00-552	£	262.04
Cerium Phosphate (Monazite)	CePO ₄	101-00-152	£	70.55
Chabazite		558-00-708	£	257.80
Chalcocite (low)	Cu ₂ S	242-00-341	£	197.33
Chalconatronite	CuNa ₂ (CO ₃) ₂ .3H ₂ O	213-94-383	£	224.91
Chalcophanite	ZnMn ₃ O ₇ .3H ₂ O	295-93-496	£	-
Chalcopyrite	CuFeS ₂	79-00-108	£	34.21
Chlorine	Cl ₂	46-00-109	£	45.62
Chlorite	Mg ₅ AlSi ₄ O ₁₀ (OH) ₈	344-66-573	£	297.05
Chloritoid	Al ₂ (Fe,Mg)O(OH) ₂ SiO ₄	190-40-352	£	205.81
Chromium	Cr	91-00-216	£	84.87
Chromium Aluminium	Cr ₅ Al ₈	114-00-360	£	210.06
Chromium Aluminophosphate	(Cr,Al) ₄ (PO ₄) ₄ .OH	296-00-388	£	187.78
Chromium Boride	CrB	63-00-165	£	76.38
Chromium Carbide	Cr ₃ C ₂	96-00-209	£	105.03
Chromium Chloride	CrCl ₃	90-00-126	£	49.86
Chromium(III) Chloride Boracite (Boracite)			£	-
	Cr ₃ B ₇ O ₁₃ Cl	336-00-564	£	391.47
Chromium(II) Chromium(III) Sulphide	Cr ₃ S ₄	64-00-113	£	58.35
Chromium Fluoride	CrF ₃	72-00-90	£	36.60
Chromium Niobium (C15)	Cr ₂ Nb	70-00-156	£	74.79
Chromium Oxide	Cr ₂ O ₃	171-00-282	£	120.94
Chromium HexametaPhosphate	Cr ₂ P ₆ O ₁₈	460-00-568	£	246.13
Chromium Silicon	Cr ₅ Si ₃	66-00-192	£	82.75

Z

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Chrysotile, 1.5 unit cells

Chrysotile	$Mg_3(OH)_4Si_2O_5$	176-39-316	£	164.44
Clinoenstatite	$MgSiO_3$	196-00-330	£	168.68
Cobalt Aluminium	Co_2Al_5	80-00-214	£	124.13
Cobalt Aluminium	Co_4Al_{13}	176-00-330	£	193.08
Cobalt Manganese Phosphide	$CoMnP$	66-00-131	£	76.10
Cobalt(II) Mercury(II) Thiocyanate	$CoHg(SCN)_4$	330-00-360	£	260.30
Cobalt Neodymium Boron	$Nd_2Co_{14}B$	108-00-308	£	276.60
Cobalt Silicide	$CoSi$	88-00-184	£	92.70
Cobalt Disilicide	$CoSi_2$	353-00-714	£	456.40
Cobalt Uranate	$Co_3U_2O_8$	103-00-164	£	102.50
Cooperite	PtS	51-00-72	£	31.40
Copper Aluminium (C16)	$CuAl_2$	79-00-120	£	77.40
Copper Arsenic Sulphide (Enargite)	Cu_3AsS_4	63-00-97	£	60.00
Copper Gold	Cu_3Au	65-00-266	£	176.10
Copper(II) Hydroxide Carbonate (Malachite)	$Cu_2(OH)_2CO_3$	156-24-253	£	176.10
Copper(II) Hydroxide Chloride (Atacamite)	$Cu_2Cl(OH)_2$	65-30-130	£	85.40
Copper Hydroxysulphate (Antlerite)	$Cu_3(OH)_4SO_4$	131-49-243	£	172.30
Copper Hydroxysulphate (Brochantite)	$Cu_4(OH)_6SO_4$	220-90-417	£	311.90
Copper Indium Selenide	$CuInSe_2$	79-00-108	£	50.70

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Copper Indium Sulphide	CuInS_2	79-00-108	£ 50.70
Copper(II) Iron(II) Sulphide (Chalcopyrite)	CuFeS_2	79-00-108	£ 43.00
Copper Magnesium	Cu_2Mg	70-00-156	£ 102.50
Copper Molybdate	CuMoO_4	145-00-185	£ 117.60
Copper Molybdenum Sulphide	$\text{Cu}_{1.8}\text{Mo}_6\text{S}_8$	134-00-312	£ 181.10
Copper(I) Oxide (Cuprite)	Cu_2O	103-00-128	£ 62.80
Copper(II) Oxide (Tenorite)	CuO	71-00-92	£ 52.70
Copper Tetrametaphosphate	$\text{CuP}_4\text{O}_{12}$	278-00-370	£ 301.80
Copper Polygermanate	$\text{Cu}(\text{GeO}_3)$	80-00-120	£ 60.00
Copper Polysilicate	$\text{Cu}(\text{SiO}_3)$	80-00-120	£ 60.00
Copper Sodium Carbonate Trihydrate (Chalconatronite)	$\text{CuNa}_2(\text{CO}_3)_2 \cdot 3\text{H}_2\text{O}$	213-94-383	£ 282.90
Copper(II) Sulphate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	158-136-280	£ 198.70
Copper(I) Sulphide (low Chalcocite)	Cu_2S	242-00-341	£ 247.70
Copper Tin ϵ	Cu_3Sn	53-00-201	£ 125.40
Copper Tin δ	Cu_4Sn	556-00-2904	£ 1,877.10
Copper Tin η	Cu_6Sn_5	150-00-284	£ 193.70
Copper Vanadium Sulphide (Sulvanite)	Cu_3VS_4	52-00-80	£ 46.70
Copper Zinc	Cu_5Zn_8	82-00-252	£ 183.60
Copper Zinc Hydroxide Carbonate (Aurichalcite)	$(\text{Cu,Zn})_5(\text{OH})_6(\text{CO}_3)_2$	413-96-700	£ 431.30
Cordierite	$\text{Mg}_2\text{Al}_3(\text{Si}_5\text{Al})\text{O}_{12}$	520-00-760	£486.60
Corundum	Al_2O_3	171-00-282	£152.20
Cristobalite	SiO_2	170-00-200	£86.20
Cryolithionite	$\text{Na}_3\text{Al}_2(\text{LiF}_4)_3$	413-00-786	£495.40
Cuprite	Cu_2O	103-00-128	£62.80
Datolite	$\text{CaBSiO}(\text{OH})$	105-12-156	£114.50
Daunomycin -DNA (CGATCG) complex		344-180-557	£286.70
Diamond	C		
-showing cell		78-00-128	£50.00
-showing {100}, {110}, {111} faces		440-00-758	£326.90
-12-ball edge tetrahedron		652-00-1144	£494.20
-hexagonal, Lonsdaleite		39-00-58	£22.60

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Dibenzyl	$C_{14}H_{14}$	422-00-608	£355.90
Diopside	$CaMg(SiO_3)_2$	224-00-372	£233.90
Disiloxane	$(SiH_3)_2O$	207-00-253	£181.10
Dolomite	$CaMg(CO_3)_2$	233-00-342	£171.00
Drugmanite	$Pb_2Fe_2H(PO_4)_2(OH)_2$	97-00-180	£129.50
Enargite	Cu_3AsS_4	63-00-97	£60.00
Enstatite	$MgSiO_3$	332-00-556	£357.10
Epidote	$Ca_2Al_3SiO_4Si_2O_7 \cdot O.OH$	160-08-270	£171.00
Erbium Rhodium Stannide	$(Er,Sn)Er_4Rh_6Sn_{18}$	334-00-838	£608.60
Ethyl Zinc Iodide	C_2H_5ZnI	56-90-133	£76.70
Ettringite	$Ca_6(Al(OH)_6)_2 \cdot (SO_4)_3 \cdot (H_2O)_{25.7}$	420-00-634	£373.50
Eulytite	$Bi_4(SiO_4)_3$	254-00-424	£271.60
Europium Magnesium Fluoride	$EuMgF_4$	58-00-78	£47.80
Europium Tetroxide	Eu_3O_4	108-00-221	£125.80
Faujasite - One Void		672-00-864	£394.80
- Unit cell		1464-00-1872	£855.00
Faujasite - hexagonal		1428-00-1848	£842.40
Ferrierite		744-00-944	£440.10
Fluorine	F_2	46-00-57	£30.10
Fluorite	CaF_2	46-00-80	£34.80
Fullerenes (set of C_{28} , C_{32} , C_{50} , C_{60} , C_{70} , C_{84})	C	324-00-486	£197.40
Gadolinium Antimony Oxide	$Gd_3Sb_5O_{12}$	206-00-352	£223.80
Gadolinium Cobalt Boride	$GdCo_2B_2$	72-00-144	£87.40
Gadolinium Cobalt Borocarbide	$GdCo_2B_2C$	89-00-170	£101.30
Gadolinium Ferrite	$GdFeO_3$	69-00-162	£109.40
Gadolinium Oxyorthosilicate	Gd_2OSiO_4	114-00-211	£115.70
Gallium	Ga	75-00-192	£ 101.90
Gallium Aluminium Arsenide	$(Ga,Al)As$	275-00-392	£ 169.80
Gallium Arsenide	$GaAs$		
-small		78-00-128	£ 49.70
-showing {100}, {110}, {111} faces		440-00-758	£ 326.90
-showing {111}, {211}, {311}, {411}, {511}		773-00-1389	£ 598.50
-showing {111}, {211}, {411}, {311}, {511}		498-00-716	£ 309.30

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- 45° dislocation		231-00-378	£ 228.90
- 60° dislocation		215-00-362	£ 231.40
Gallium Nitride - small	GaN	39-00-58	£ 22.60
- large	GaN	162-00-270	£ 107.50
Gallium Oxide	Ga ₂ O ₃	160-00-240	£ 138.30
Garnet	Ca ₃ Al ₂ (SiO ₄) ₃	413-00-786	£ 496.70
Gas Hydrate I	H ₂ O	296-508-508	£ 365.90
Gas Hydrate II	H ₂ O	458-718-718	£ 515.50
Germanium	Ge	46-00-64	£ 28.00
Germanium Arsenide	GeAs ₂	141-00-199	£ 127.00
Germanium Sulphide (low temp)	GeS ₂	229-00-315	£ 249.00
Germanium Sulphide (high temp)	GeS ₂	171-00-270	£ 220.10
Gibbsite	Al(OH) ₃	135-108-270	£ 171.00
Glycine	NH ₃ CH ₂ COO	60-60-128	£ 76.70
Glycylglycine	NH ₃ CH ₂ CONHCH ₂ COO	306-00-337	£ 200.00
Goethite	FeOOH	125-40-223	£ 138.30
Graphite - hexagonal	C	67-00-105	£ 50.00
- rhombohedral		87-00-138	£ 59.60
Gypsum	CaSO ₄ .2H ₂ O	249-57-369	£ 281.70
Haematite - hexagonal cell	Fe ₂ O ₃	171-00-282	£ 152.20
- orthohexagonal cell		282-00-492	£ 266.60
Hafnium Iron Germanide	HfFe ₆ Ge ₆	101-00-250	£ 135.80
Heneuite	CaMg ₅ (CO ₃)(PO ₄) ₃ OH	132-05-211	£ 127.00
Heulandite		846-00-1220	£ 567.10
Hexafluorobenzene	C ₆ F ₆	226-00-317	£ 182.40
Hexaphenylbenzene	C ₄₂ H ₃₀	204-135-378	£ 223.80
Hollandite	TiO ₂	216-00-360	£ 206.20
Holtedahlite	Mg ₁₂ (HPO ₄)(PO ₄) ₅ (OH) ₆	105-19-157	£ 105.00
Hydronium Perchlorate (Perchloric Acid)			
	HClO ₄ .H ₂ O	190-102-255	£ 169.80
Hydrotalcite	Mg ₄ Al ₂ (CO ₃)(OH) ₁₂ .3H ₂ O	61-31-101	£ 66.10
Hydrozincite	Zn ₅ (OH) ₆ (CO ₃) ₂	187-42-290	£ 189.90
Ice	H ₂ O	26-50-50	£ 31.00
-Snowflake	H ₂ O	420-00-649	£ 257.80

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-Gas Hydrate I	H ₂ O	316-472-472	£ 338.30
-Gas Hydrate II	H ₂ O	458-718-718	£ 515.50
Ilmenite	FeTiO ₃	310-00-552	£ 335.70
Ilvaite	CaFe ₃ Si ₂ O ₈ (OH)	148-11-270	£ 172.30
Imidazole (solid)	C ₃ H ₄ N ₂	85-72-185	£ 120.10
Indium	In	26-00-80	£ 35.10
Indium Nickel	InNi ₂	57-00-138	£ 89.90
Indium Oxide (C-form)	In ₂ O ₃	218-00-372	£ 216.30
Indium Phosphide	InP	50-00-72	£ 28.70
Inverse Spinel	Fe ₂ NiO ₄	180-00-272	£ 154.70
Inverse Weberite	ZnFeF ₅ .(H ₂ O) ₂	117-54-164	£ 99.40
Iodine	I ₂	46-00-109	£ 57.40
Iridium Trisilicide	IrSi ₃	65-00-111	£ 62.80
Iron Aluminium	Fe ₂ Al ₅	84-00-168	£ 122.60
Iron Aluminium	Fe ₄ Al ₁₃	160-00-422	£ 310.60
Iron Boride	FeB	65-00-164	£ 101.30
Iron Boride	Fe ₂ B	51-00-96	£ 58.80
Iron Boride	Fe ₃ B	72-00-224	£ 134.60
Iron(III) Borate	FeBO ₃	223-00-324	£ 148.40
Iron Carbide (Cementite)	Fe ₃ C	141-00-176	£ 101.30
Iron(II) Chloride Dihydrate	FeCl ₂ .2H ₂ O	79-36-114	£ 72.30
Iron(II) Disulphide (Marcasite)	FeS ₂	78-00-118	£ 67.90
Iron(II) Disulphide (Pyrites)	FeS ₂	70-00-97	£ 57.40
Iron(III)bisLead(II)Hydrogen Dihydroxide Diphosphate (Drugmanite)	Pb ₂ Fe ₂ H(PO ₄) ₂ (OH) ₂	97-00-180	£ 129.50
Iron Magnesium Chloride Boracite (trigonal)	(Fe,Mg)ClB ₇ O ₁₃	357-00-537	£ 465.20
Iron(III) Niobium(III) Sulphide	FeNb ₃ S ₆	153-00-234	£ 143.40
Iron Nickel Oxide	Fe ₂ NiO ₄	180-00-272	£ 154.70
Iron(II) Oxide (Wüstite)	FeO	334-00-859	£ 407.40
Iron(III) Oxide (Haematite)	Fe ₂ O ₃		
- hexagonal cell		171-00-282	£ 152.20
- orthohexagonal cell		282-00-492	£ 266.60
Iron(II) Iron(III) Oxide (Magnetite)	Fe ₃ O ₄	180-00-272	£ 154.70

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Iron(III) Oxide Hydroxide (Goethite)	FeO.OH	125-40-223	£ 138.30
Iron(III) Oxide Hydroxide (Akaganeite)	FeO.OH	150-45-279	£ 172.30
Iron(III) Oxide Hydroxide (Lepidocrocite)	FeO.OH	120-25-216	£ 135.80
Iron Tripolyphosphate	FeH ₂ P ₃ O ₁₀ .H ₂ O	231-30-263	£ 189.90
Iron Phosphorus	Fe ₂ P	41-00-67	£ 38.00
Iron Selenate Hexahydrate (Mandarinoite)	Fe ₂ Se ₃ O ₉ .6H ₂ O	246-126-368	£ 237.70
Iron Silicide	FeSi ₂	78-00-140	£ 103.10
Iron(II) Sulphate (Melanterite)	FeSO ₄ .7H ₂ O	163-190-315	£ 237.70
Iron Titanium(IV) Oxide (Ilmenite)	FeTiO ₃	310-00-552	£ 335.70
Iron Titanium Oxide (Pseudobrookite)	Fe ₂ TiO ₅	156-00-226	£ 148.40
Iron(II) Tungstate(VI) (Wolframite)	FeWO ₄	94-00-130	£ 83.00
Iron Zircon	Fe ₂ Zr	70-00-156	£ 103.10
Iron Zircon	FeZr ₃	78-00-152	£ 103.10
Kaolinite	Al ₂ (OH) ₄ Si ₂ O ₅	170-34-280	£ 183.60
Kyanite	Al ₂ SiO ₅	212-00-322	£ 221.30
α-Lactose monohydrate	C ₁₂ H ₂₂ O ₁₁ .H ₂ O	289-235-503	£ 303.00
Laminaribiose	C ₁₂ O ₁₁ H ₂₂		
- α- and β- monoclinic		276-264-672	£ 399.90
- α- orthorhombic		483-462-1176	£ 700.30
Lanthanum Copper Oxide	La ₂ CuO ₄	106-00-236	£ 148.40
Lanthanum Copper Oxide	La ₃ Cu ₂ O ₆	143-00-356	£ 227.60
Lanthanum Fluoride	LaF ₃	293-00-552	£ 323.20
Lanthanum Hydride	LaH ₃	35-00-84	£ 42.80
Lanthanum Magnesium Borate	LaMgB ₅ O ₁₀	217-00-361	£ 240.20
Lanthanum Sesquioxide	La ₂ O ₃	69-00-132	£ 78.60
Lawsonite	CaAl ₂ (Si ₂ O ₇)(OH) ₂ .H ₂ O	142-34-228	£ 133.30
Lead(II) Chloride Hydride	PbHCl	57-00-123	£ 58.80
Lead(II) Chloride	PbCl ₂	68-00-93	£ 54.10
Lead(II) Chloride Fluoride (Matlockite)	PbFCl	57-00-123	£ 58.80
Lead Fluoride (orthorhombic)	PbF ₂	73-00-145	£ 66.10
Lead Fluoride (cubic)	PbF ₂	46-00-80	£ 34.80
Lead Molybdate (Wulfenite)	PbMoO ₄	101-00-132	£ 77.40

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Lead Molybdenum Sulphide	PbMo ₆ S ₈	126-00-298	£ 174.80
Lead Orthophosphate	PbP ₂ O ₇	165-00-217	£ 137.10
Lead(II) Oxide (tetragonal)	PbO	50-00-88	£ 38.10
Lead Oxide (Red Lead)	Pb ₃ O ₄	111-00-154	£ 76.10
Lead Phosphate	Pb ₃ (PO ₄) ₂		
- High Temperature		140-00-304	£ 193.70
- Room Temperature		150-00-297	£ 206.20
Lead Strontium Neodymium Copper Oxide			
	Pb ₂ Sr ₂ NdCu ₃ O ₈	143-00-324	£ 208.80
Lead Tetrapolyphosphate	Pb ₃ P ₄ O ₁₃	204-00-416	£ 275.40
Lead Tungstate (tetragonal)	PbWO ₄	115-00-144	£ 91.80
Lead Tungstate (monoclinic)	PbWO ₄	118-00-230	£ 145.90
Lepidocrocite	FeO.OH	120-25-216	£ 135.80
Leucite	KAISi ₂ O ₆	310-00-458	£ 291.70
Levyne		1120-00-1316	£ 611.10
Linde Molecular Sieve, type A - Supercage		120-00-144	£ 65.40
- Unit cell		528-00-672	£ 306.80
type L - Unit cell (4 channels)		1612-00-2072	£ 941.70
- 1 channel		600-00-748	£ 342.00
Lithium Antimony Oxide	Li ₃ SbO ₄	63-00-118	£ 64.80
Lithium Calcium Aluminium Fluoride	LiCaAlF ₆	105-00-144	£ 67.30
Lithium Cobalt Oxide	LiCoO ₂	83-00-168	£ 104.40
Lithium Copper Tin	Li ₂ CuSn	189-00-512	£ 222.60
Lithium Hydroxide	LiOH	50-26-88	£ 42.00
Lithium Metasilicate	Li ₂ SiO ₃	120-00-193	£ 121.40
Lithium Niobate			
- hexagonal cell	LiNbO ₃	143-00-252	£ 140.90
- face centred rhombohedral type cell	LiNbO ₃	89-00-156	£ 87.40
Lithium Orthosilicate	Li ₄ SiO ₄	155-00-252	£ 156.00
Lithium Rhodium Hydride	Li ₃ RhH ₄	109-00-236	£ 145.90
Lithium Ruthenium Hydride	Li ₄ RuH ₆	153-00-270	£ 167.30
Lithium Tantalate	LiTaO ₃	143-00-256	£ 156.00
Lithium Tetraborate	Li ₂ B ₄ O ₇	311-00-438	£ 275.40
Lithium Triborate	LiB ₃ O ₅	216-00-289	£ 181.10

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Lithium Trimetaphosphate	$\text{Li}_3\text{P}_3\text{O}_9 \cdot 3\text{H}_2\text{O}$	258-39-315	£ 254.00
Lithium Yttrium Fluoride	LiYF_4	115-00-144	£ 91.80
Lonsdaleite		39-00-58	£ 22.60
Lutetium Nickel Boride	LuNi_2B_2	115-00-212	£ 127.00
Lutetium Nickel Borocarbide	$\text{LuNi}_2\text{B}_2\text{C}$	89-00-154	£ 93.10
α -Lyxose	$\text{C}_5\text{O}_5\text{H}_{10}$	150-75-200	£ 158.50
Magnesium	Mg	19-00-60	£ 36.80
Magnesium Aluminium Hydroxycarbonate Trihydrate (Hydrotalcite)	$\text{Mg}_4\text{Al}_2(\text{CO}_3)(\text{OH})_{12} \cdot 3\text{H}_2\text{O}$	61-32-101	£ 66.10
Magnesium Aluminium Hydroxysilicate (Vermiculite)	$\text{Mg}_3(\text{Al,Si})_4\text{O}_{10}(\text{OH})_2 \cdot x\text{H}_2\text{O}$	308-64-516	£ 338.30
Magnesium Aluminium Hydroxysilicate (Chlorite)	$\text{Mg}_5\text{AlSi}_4\text{O}_{10}(\text{OH})_8$	344-66-604	£ 373.50
Magnesium Chloride	MgCl_2	80-00-152	£ 87.40
Magnesium Chloride Boracite (orthorhombic)	$\text{Mg}_3\text{ClB}_7\text{O}_{13}$	350-00-560	£ 490.40
Magnesium Cobalt Deuteride	$\text{Mg}_6\text{Co}_2\text{D}_{11}$	294-00-682	£ 420.00
Magnesium Cobalt(I) Pentahydride	Mg_2CoH_5	91-00-168	£ 104.40
Magnesium Divanadate	$\text{Mg}_2\text{V}_2\text{O}_7$	170-00-277	£ 171.00
Magnesium Hydroxide (Brucite)	$\text{Mg}(\text{OH})_2$	45-24-108	£ 58.80
Magnesium Hydroxysilicate (Chrysotile)	$\text{Mg}_3(\text{OH})_4\text{Si}_2\text{O}_5$	176-39-316	£ 206.20
Magnesium Hydroxysilicate (Talc)	$\text{Mg}_3(\text{OH})_2\text{Si}_4\text{O}_{10}$	276-20-464	£ 303.00
Magnesium Iron(II) Hydride	Mg_2FeH_6	76-00-150	£ 96.20
Magnesium Iron Hydroxycarbonatehydrate (Pyroaurite)	$\text{Mg}_6\text{Fe}_2(\text{OH})_{16}\text{CO}_3 \cdot 4\text{H}_2\text{O}$	103-72-231	£ 147.10
Magnesium Metavanadate	MgV_2O_6	124-00-186	£ 114.50
Magnesium Nickel	MgNi_2	65-00-154	£ 111.90
Magnesium Nickel Hydride	Mg_2NiH_4	138-00-268	£ 166.00
Magnesium Orthovanadate	$\text{Mg}_3(\text{VO}_4)_2$	220-00-372	£ 236.40
Magnesium Oxide	MgO	64-00-144	£ 62.00
Magnesium Phosphate Hydroxide (Holtedahlite)	$\text{Mg}_{12}(\text{HPO}_4)(\text{PO}_4)_5(\text{OH})_6$	105-19-157	£ 105.00
β -Magnesium Phosphate Hydroxide	$\text{Mg}_2\text{PO}_4\text{OH}$	238-22-372	£ 246.50
ϵ -Magnesium Phosphate Hydroxide	$\text{Mg}_2\text{PO}_4 \cdot \text{OH}$	73-00-154	£ 108.20

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Magnesium Potassium Hydroxysilicate (Biotite)	$K(Mg,Fe)_3(Si_3Al)O_{10}(OH)_2$	272-20-480	£ 314.40
Magnesium Rhodium Deuteride	$MgRhD_{(1-x)}$	91-00-176	£ 108.20
Magnesium Ruthenium Tetrahydride	Mg_2RuH_4	107-00-224	£ 137.10
Magnesium Ruthenium Trideuteride	Mg_3RuD_3	132-00-280	£ 173.60
Magnesium Silicate (Clinoenstatite)	$MgSiO_3$	196-00-330	£ 212.50
Magnesium Silicate (Enstatite)	$MgSiO_3$	332-00-556	£ 357.10
Magnesium Silicate (Ilmenite type)	$MgSiO_3$	310-00-552	£ 335.70
Magnesium Silicate (Olivine)	Mg_2SiO_4	175-00-276	£ 143.40
Magnesium Silicate (Perovskite type)	$MgSiO_3$	201-00-484	£ 320.70
β - Magnesium Silicate	Mg_2SiO_4	99-00-166	£ 95.00
Magnesium Sodium Aluminate (β" Alumina)	$MgO.Na_2O.5Al_2O_3$	424-00-722	£ 460.20
Magnesium Zinc	$MgZn_2$	69-00-162	£ 106.90
Magnetite	Fe_3O_4	180-00-272	£ 154.70
Malachite	$Cu_2(OH)_2CO_3$	156-24-253	£ 176.10
Mandarinoite	$Fe_2Se_3O_9.6H_2O$	246-126-368	£ 237.70
α-Manganese	Mn	101-00-303	£ 221.30
β-Manganese	Mn	225-00-429	£ 314.40
Manganese Chloride Tetrahydrate	$MnCl_2.4H_2O$	105-124-208	£ 128.30
Manganese Fluoride	MnF_2	81-00-115	£ 56.10
Manganese Hydrogen Phosphate	$MnHP_2O_7$	328-14-424	£ 285.40
Manganese Phosphide	MnP	50-00-92	£ 45.40
Manganese Thorium	$Mn_{23}Th_6$	162-00-464	£ 342.00
Manganese Tungstate	$MnWO_4$	94-00-130	£ 83.00
Marcasite	FeS_2	78-00-118	£ 67.90
Matlockite	$PbFCl$	57-00-123	£ 58.80
Melanterite	$FeSO_4.7H_2O$	163-190-315	£ 237.70
Mercuric Iodide (red)	HgI_2	58-00-104	£ 54.70
Mercury	Hg	27-00-54	£ 26.70
Mercury(I) Chloride (Calomel)	Hg_2Cl_2	65-00-119	£ 63.50
Mercury Silver Sulphide Halide (Perroudite)	$Hg_5Ag_4S_5X_4$	106-00-184	£ 112.60
Methyl Ethyl Imidazole Iodide	$C_6H_{11}N_2I$	152-187-375	£ 244.00

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Methyl Lithium	LiCH ₃	80-90-260	£ 129.50
Mica	KAl ₂ (Si ₃ Al)O ₁₀ (OH) ₂	276-16-450	£ 296.80
Molybdenum Silicide	MoSi ₂	91-00-194	£ 108.20
Molybdenum(IV) Sulphide	MoS ₂		
- 2H		58-00-120	£ 58.10
- 3R		76-00-156	£ 74.90
Monazite	CePO ₄	100-00-152	£ 88.70
Monetite	CaHPO ₄	176-11-307	£ 193.70
Montmorillonite	Al ₂ Si ₄ O ₁₀ (OH) ₂ .nH ₂ O	284-80-490	£ 320.70
Mordenite		1172-00-1464	£ 681.50
Mroseite	CaTeO ₂ CO ₃	252-00-304	£ 192.40
Mullite	2Al ₂ O ₃ .SiO ₂	160-00-228	£ 139.60
Muscovite	KAl ₂ (Si ₃ Al)O ₁₀ (OH) ₂	276-16-450	£ 294.20
Neodymium Cuprate	Nd ₂ CuO ₄	112-00-200	£ 128.30
Neodymium Cobalt Boron	Nd ₂ Co ₁₄ B	108-00-308	£ 276.60
Neodymium Iron Boron	Nd ₂ Fe ₁₄ B	108-00-308	£ 276.60
Neodymium Ultraphosphate	NdP ₅ O ₁₄	264-00-313	£ 208.80
Nickel Arsenide (hexagonal)	NiAs	46-00-90	£ 42.00
Nickel Chloride Hexahydrate	NiCl ₂ .6H ₂ O	94-130-190	£ 123.30
Nickel Cyanide Ammonia Benzene Complex	Ni(CN) ₂ .NH ₃ .C ₆ H ₆	350-00-424	£ 271.60
Nickel Iodide Hexahydrate	NiI ₂ .6H ₂ O	110-168-194	£ 127.00
Nickel Oxide	NiO	64-00-144	£ 62.00
Nickel Titanium Suboxide	Ni ₂ Ti ₄ O	182-00-354	£ 206.20
Nickel Zirconium	NiZr ₂	58-00-80	£ 49.50
Niobium Aluminium	Nb ₃ Al	112-00-294	£ 157.20
Niobium Germanide	Nb ₃ Ge	112-00-294	£ 157.20
Niobium Palladium Selenide	Nb ₂ Pd _{0.71} Se ₅	207-00-376	£ 240.20
Niobium Silicide (C40)	NbSi ₂	56-00-120	£ 73.00
Niobium Tin	Nb ₃ Sn	112-00-294	£ 157.20
Nitrogen	N ₂	28-00-46	£ 26.70
Nitrogen(V) Oxide	N ₂ O ₅	111-00-140	£ 79.90
Nitrogen(IV) Oxide	N ₂ O ₄	108-00-354	£ 202.50
Octacalcium Phosphate	Ca ₈ H ₂ (PO ₄) ₆ .H ₂ O	207-41-374	£ 309.30

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Olivine	Mg ₂ SiO ₄	175-00-276	£ 143.40
Orpiment	As ₂ S ₃	138-00-168	£ 104.40
Orthoclase	KAlSi ₃ O ₈	344-00-580	£ 364.70
Osmium Aluminium	Os ₄ Al ₁₃	76-00-212	£ 154.70
Oxalic Acid	(COOH) ₂ .2H ₂ O	194-178-347	£ 225.10
Oxygen	O ₂	46-00-95	£ 46.60
Palladium Deuteride	Pd ₂ D	254-00-428	£ 246.50
Palladium(II) Sulphide (Braggite)	PdS	198-00-312	£ 181.10
Perchloric Acid	HClO ₄ .H ₂ O	190-102-252	£ 169.80
Perovskite	CaTiO ₃	89-00-204	£ 129.50
Perroudite	Hg ₅ Ag ₄ S ₅ X ₄	106-00-184	£ 112.60
Phosphorus (black)	P	76-00-126	£ 61.40
Platinum(II) Sulphide (Cooperite)	PtS	51-00-72	£ 31.40
Polonium	Po	64-00-144	£ 62.00
Poly(Ethylene oxide)-Sodium Iodide	(C ₂ H ₄ O) _n .NaI	216-216-507	£ 288.00
Potassium Aluminium Hydroxysulphate (Alunite)	KAl ₃ (OH) ₆ (SO ₄) ₂	207-60-400	£ 259.00
Potassium Aluminium Silicate (Leucite)	KAlSi ₂ O ₆	310-00-458	£ 291.70
Potassium Aluminosilicate (Orthoclase)	KAlSi ₃ O ₈	344-00-580	£ 364.70
Potassium Dihydrogen Phosphate			
- (monoclinic)	KH ₂ PO ₄	156-42-292	£ 217.60
- (tetragonal)	KH ₂ PO ₄	92-20-166	£ 109.40
Potassium Ferricyanide	K ₃ Fe(CN) ₆	174-00-236	£ 127.00
Potassium Fullerene	K ₃ C ₆₀	861-00-1378	£ 726.70
Potassium Gadolinium Tungstate	KGd(WO ₄) ₂	161-00-218	£ 117.60
Potassium Hexaquo Copper Sulphate	CuK ₂ (SO ₄) ₂ .6H ₂ O	126-120-252	£ 198.70
Potassium Hydrogen Iodide	KIO ₃ .2HIO ₃	89-00-127	£ 104.40
Potassium Neodymium Silicate	K ₃ NdSi ₆ O ₁₅	230-00-399	£ 240.20
Potassium Neodymium HydroxySilicate	K ₈ Nd ₃ Si ₁₂ O ₃₂ .OH	287-00-460	£ 277.90
Potassium Neodymium HydroxySilicate	K ₃ NdSi ₃ O ₈ (OH) ₂	212-00-401	£ 227.60
Potassium Platinum Hydride	K ₃ PtH ₅	59-00-122	£ 68.60
Potassium Platinum Hydride	K ₂ PtH ₄	63-00-124	£ 72.30
Potassium Sodium Tartrate (Rochelle Salt)			
	KNaC ₄ H ₄ O ₆ .4H ₂ O	128-94-324	£ 221.30
Potassium OxyTitanium(IV) Phosphate	KTiOPO ₄	192-00-340	£ 227.60

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Potassium Tungstate (Tungsten Bronze- tetr.)			
	$K_6W_{10}O_{30}$	221-00-358	£ 227.60
Praseodymium Iron Lead	$Pr_6Fe_{13}Pb$	150-00-342	£ 192.40
Pseudobrookite	Fe_2TiO_5	156-00-226	£ 148.40
Pyrites	FeS_2	70-00-97	£ 57.40
Pyroaurite	$Mg_6Fe_2(OH)_{16}CO_3 \cdot 4H_2O$	103-72-231	£ 147.10
Pyrochlore	$(Ca,Na)_2Nb_2O_6F$	253-00-442	£ 282.90
Quartz -Two helices	SiO_2	62-00-64	£ 26.70
-Large	SiO_2	176-00-200	£ 86.20
-Large trigonal	SiO_2	231-00-266	£ 114.50
Ramsdellite	TiO_2	105-00-169	£ 96.20
Rhenium Oxide	ReO_3	135-00-162	£ 86.80
Rhenium Polyphosphide	Re_6P_{13}	197-00-474	£ 235.20
Rhodium Sesquioxide II	Rh_2O_3	205-00-352	£ 191.20
Rochelle Salt	$KNaC_4H_4O_6 \cdot 4H_2O$	128-94-324	£ 221.30
Rock Salt - 3 balls/edge	$NaCl$	27-00-54	£ 22.70
- 4 balls/edge	$NaCl$	64-00-144	£ 60.60
- 8 balls/edge	$NaCl$	512-00-1344	£ 629.90
-12 balls/edge	$NaCl$	1728-00-4752	£ 2,226.70
Rubidium Nickel Chromium Fluoride	$Rb(Ni,Cr)F_6$	220-00-324	£ 179.80
Rubidium Silver Iodide	$RbAg_4I_5$	153-00-259	£ 184.90
Rubidium Tungsten Oxide (Tungsten Bronze-hex)			
	$Rb_2W_6O_{18}$	147-00-266	£ 158.50
Ruthenium Silicide	Ru_2Si_3	129-00-196	£ 106.90
Rutile	TiO_2	81-00-115	£ 56.00
Sapphirine (2M)	$(Mg,Al)(Si,Al)O_{20}$	1333-00-2399	£ 1,403.20
Scandium Borate	$ScBO_3$	233-00-342	£ 152.20
Scandium Chloride	Sc_7Cl_{10}	198-00-291	£ 178.60
Scandium Chloride Carbide	$Sc_7Cl_{10}C_2$	210-00-371	£ 227.60
Scandium Hydroxide	$Sc(OH)_3$	135-108-270	£ 128.30
Scheelite	$CaWO_4$	115-00-144	£ 91.80
Selenium (trigonal)	Se	56-00-105	£ 50.70
Silicon	Si		
- small		50-00-72	£ 28.70

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- showing {100}, {110}, {111} faces		440-00-758	£ 326.90
Silicon(111) 7x7 Surface	Si	389-00-668	£ 359.60
Silicon Carbide 3C	SiC	148-00-247	£ 106.30
Silicon Carbide 4H	SiC	198-00-320	£ 138.30
Silicon Carbide 6H	SiC	272-00-430	£ 187.40
Silicon Carbide 15R	SiC	325-00-522	£ 225.10
Silicon Nitride α -form	Si ₃ N ₄	95-00-123	£ 69.20
β -form	Si ₃ N ₄	81-00-104	£ 58.10
Silicon Oxide (Quartz)	SiO ₂		
- Two helices		62-00-64	£ 26.70
- Large		176-00-200	£ 86.20
- Large trigonal		231-00-266	£ 114.50
Silicon Oxide (Cristobalite)	SiO ₂	170-00-200	£ 86.20
Silicon Oxide (Stishovite)	SiO ₂	81-00-115	£ 56.00
Silicon Oxide (Tridymite)	SiO ₂	167-00-192	£ 83.00
Silicon Selenide	SiSe ₂	88-00-126	£ 73.60
Sillimanite	Al ₂ SiO ₅	181-00-258	£ 157.20
Silyl Isocyanate	SiH ₃ NCO	75-62-163	£ 107.50
Sodalite (framework)		384-00-480	£ 220.10
Sodalite (+Na)		448-00-672	£ 363.40
Sodium Aluminate (β -Alumina)	Na ₂ O.11Al ₂ O ₃	217-00-354	£ 227.60
Sodium Azide	NaN ₃	83-00-122	£ 61.40
Sodium Bromate	NaBrO ₃	160-00-240	£ 147.10
Sodium Chloride (Rock Salt)	NaCl		
- 3 balls/edge		27-00-54	£ 22.70
- 4 balls/edge		64-00-144	£ 60.60
- 8 balls/edge		512-00-1344	£ 629.90
-12 balls/edge		1728-00-4752	£ 2,226.70
Sodium Formate	NaCHO	272-18-126	£ 78.60
Sodium Dihydrogen Phosphate (monoclinic)			
	NaH ₂ PO ₄	177-43-278	£ 231.40
Sodium Hydroxide	NaOH	60-30-156	£ 89.90
Sodium Iron(II) Oxide	NaFeO ₂	83-00-164	£ 104.40
Sodium Iron Silicate (Acmite)	NaFe(SiO ₃) ₂	210-00-352	£ 225.10

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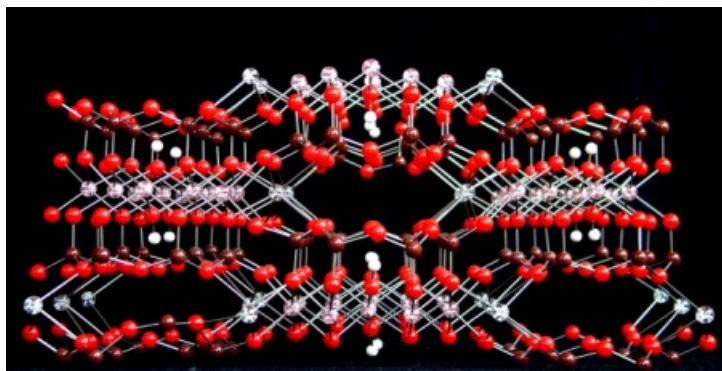
Sodium Iron Phosphate	$\text{Na}_3\text{Fe}_2(\text{PO}_4)_3$	296-00-493	£ 276.60
Sodium Lithium Boron Aluminohydroxysilicate (Tourmaline)	$\text{NaLi}_3\text{B}_3\text{Al}_6\text{Si}_6\text{O}_{27}(\text{OH},\text{F})_4$	511-31-821	£ 515.50
Sodium Magnesium Aluminium Fluoride (Weberite)	$\text{Na}_2\text{MgAlF}_7$	134-00-321	£ 177.30
Sodium Magnesium Aluminium Oxide (β " -Alumina)	$\text{Na}_2\text{O}.\text{MgO}.5\text{Al}_2\text{O}_3$	424-00-722	£ 460.20
Sodium Neodymium Silicate	$\text{Na}_3\text{NdSi}_6\text{O}_{15}.2.5\text{H}_2\text{O}$	420-00-598	£ 261.60
Sodium Nitrite	NaNO_2	50-00-60	£ 28.10
Sodium Palladium Hydride	Na_2PdH_2	100-00-166	£ 77.40
Sodium Platinum Hydride	Na_2PtH_4	61-00-100	£ 50.70
Sodium Rhodium Hydride	Na_3RhH_6	133-00-226	£ 139.60
Sodium Silicate Hydroxide (Analcime)	$\text{Na}(\text{AlSi}_2\text{O}_6)(\text{H}_2\text{O})$	460-00-634	£ 406.10
Sodium Uranyl Acetate	$\text{NaUO}_2(\text{O}_2\text{CCH}_3)_3$	295-144-595	£ 389.80
Sodium Vanadium Bronze	$\text{Na}_{(2-x)}\text{V}_6\text{O}_{15}$	230-00-346	£ 227.60
Sodium Zirconium Silicate	$\text{Na}_4\text{Zr}_2(\text{SiO}_4)_3$	277-00-589	£ 368.40
Spinel	Al_2MgO_4	180-00-272	£ 143.40
Staurolite	$\text{Fe}_2\text{Al}_9\text{Si}_4\text{O}_{22}(\text{OH})_2$	240-08-403	£ 279.20
Stibnite	Sb_2S_3	100-00-201	£ 117.60
Stishovite	SiO_2	81-00-115	£ 56.10
Strontium Niobate	$(\text{Sb},\text{Ba})\text{Nb}_2\text{O}_6$	237-00-454	£ 289.20
Strontium Gallium Chromium Oxide	$\text{SrCr}_8\text{Ga}_4\text{O}_{19}$	140-00-231	£ 148.40
Strontium Gallium Germanate	$\text{Sr}_3\text{Ga}_2\text{Ge}_4\text{O}_{14}$	164-00-254	£ 163.50
Strontium Magnesium Iron Octahydride	$\text{SrMg}_2\text{FeH}_8$	108-00-256	£ 154.70
Strontium Magnesium Tetrahydride	SrMgH_4	144-00-265	£ 159.70
Struvite	$\text{MgNH}_4\text{PO}_4.6\text{H}_2\text{O}$	105-102-195	£ 143.40
Sucrose	$\text{C}_{12}\text{O}_{11}\text{H}_{22}$	322-308-616	£ 365.90
Sulphur -(orthorhombic)	S	315-00-450	£ 257.80
Sulphur Nitride	S_2N_2	72-00-134	£ 65.40
Sulphur Nitride	S_xN_x	72-00-127	£ 62.00
Sulvanite	Cu_3VS_4	52-00-80	£ 46.70
Talc	$\text{Mg}_3(\text{OH})_2\text{Si}_4\text{O}_{10}$	276-20-464	£ 303.00
α -Tantalum	Ta	35-00-64	£ 30.10
β -Tantalum	Ta	65-00-124	£ 63.50

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Tantalum Tellurium Oxide	Ta ₂ Te ₂ O ₉	183-00-233	£ 148.40
Tartaric Acid	C ₄ H ₆ O ₆	147-107-405	£ 261.60
Tellurium (trigonal)	Te	56-00-105	£ 50.70
Tellurium Selenium Oxide	Te ₃ SeO ₈	164-00-257	£ 163.50
Tenorite	CuO	71-00-92	£ 52.70
Tetracene	C ₁₈ H ₁₂	173-00-458	£ 265.30
Thallium	Tl	19-00-60	£ 36.90
Thallium Barium Calcium Copper Oxide	Tl ₂ Ba ₂ CaCu ₂ O ₈	209-00-459	£ 301.80
	TlBa ₂ Ca ₂ Cu ₃ O ₉	233-00-532	£ 355.90
	Tl ₂ Ba ₂ Ca ₂ Cu ₃ O ₁₀	257-00-600	£ 413.70
Thallium(I) Dihydrogen Phosphate (monoclinic)	TlH ₂ PO ₄	143-32-246	£ 179.80
Thallium Niobium Oxyborate	TlNbB ₂ O ₆	166-00-243	£ 153.40
Thorium Borocarbide	ThBC	163-00-473	£ 284.20
Thorium Manganese	ThMn ₁₂	90-00-296	£ 265.30
Thorium Nickel Carbon	Th ₂ Ni ₁₇ C ₃	73-00-242	£ 271.60
Thorium(IV) Phosphide	Th ₃ P ₄	182-00-208	£ 130.80
Thorium Zinc Carbon	Th ₂ Zn ₁₇ C ₃	115-00-390	£ 438.80
Tin -grey	Sn	46-00-64	£ 28.70
-white	Sn	25-00-46	£ 21.40
Tin Oxide - tetragonal	SnO	50-00-96	£ 47.40
- orthorhombic		50-00-72	£ 34.80
Tin Oxide	SnO ₂	81-00-115	£ 56.10
Tin(II) Sulphide	SnS	50-00-100	£ 52.70
Titanium Aluminium	TiAl	63-00-160	£ 89.30
Titanium Aluminium	Ti ₃ Al	90-00-162	£ 91.80
Titanium Boride	TiB ₂	33-00-72	£ 43.40
Titanium Carbide	TiC	64-00-144	£ 62.00
Titanium Nitride	TiN	64-00-144	£ 62.00
Titanium Nitride	Ti ₂ N	81-00-115	£ 56.10
Titanium Dioxide (Brookite)	TiO ₂	109-00-156	£ 88.70
Titanium Dioxide (Hollandite)	TiO ₂	216-00-360	£ 206.20
Titanium Dioxide (Ramsdellite)	TiO ₂	105-00-169	£ 96.20
Titanium(IV) Oxide (Anatase)	TiO ₂	119-00-174	£ 86.20

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Titanium(IV) Oxide (Rutile)	TiO ₂	81-00-115	£ 56.00
Titanium Oxide	Ti ₂ O ₃	171-00-282	£ 152.20
Titanium Oxide	Ti ₄ O ₇	166-00-240	£ 130.80
Titanium Oxide	Ti ₆ O ₁₁	266-00-380	£ 213.80
Titanium Silicide (C49)	TiSi ₂	53-00-156	£ 104.40
Titanium Silicide (C54)	TiSi ₂	44-00-125	£ 79.90
Titanium Silicide	Ti ₅ Si ₃	126-00-336	£ 225.10
Topaz	Al ₂ F ₂ SiO ₄	246-00-342	£ 197.40
Tourmaline	NaLi ₃ B ₃ Al ₆ Si ₆ O ₂₇ (OH,F) ₄	511-31-821	£ 515.50



Tremolite

Tremolite	Ca ₂ Mg ₅ (Si ₈ O ₂₂)(OH) ₂	445-17-777	£ 504.20
Tridymite	SiO ₂	176-00-200	£ 83.00
Trirutile	ZnSb ₂ O ₆	81-00-115	£ 56.10
b-Tungsten	W	112-00-294	£ 157.20
Tungsten Aluminium	WAl ₁₂	141-00-252	£ 157.20
Tungsten Bronze (hexagonal)	RbxW ₆ O ₁₈	147-00-266	£ 158.50
Tungsten Bronze (tetragonal)	K ₆ W ₁₀ O ₃₀	221-00-358	£ 227.60
Tungsten Carbide	WC	33-00-60	£ 36.00

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Tungsten Oxide	W18O49	239-00-320	£ 191.20
Tungsten Oxide	W20O58	246-00-306	£ 171.00
Tysonite	CeF3	293-00-552	£ 329.50
Ultramarine Blue	Na7Al6Si6O24S3	472-00-704	£ 442.60
Uranium Borocarbide	UBC	114-00-329	£ 198.70
Uranium Hydride	UH3	107-00-204	£ 148.40
Vanadium Gallium	V2Ga5	59-00-116	£ 77.40
Vanadyl Hydrogen Phosphate Hemihydrate	VOHPO ₄ .0.5H ₂ O	206-28-276	£ 194.90
Vanadium Oxide (B)	VO ₂	146-00-260	£ 159.70
Vanadium(V) Oxide - small	V ₂ O ₅	82-00-110	£ 52.70
- large	V ₂ O ₅	248-00-352	£ 169.80
Vanadium Oxide	V ₆ O ₁₃	216-00-330	£ 192.40
α-Vanadium Phosphorus(V) Oxide	VOPO ₄	76-00-87	£ 50.70
Vanadyl pyrophosphate	(VO) ₂ P ₂ O ₇	289-00-386	£ 208.80
Vaterite	CaCO ₃	85-00-116	£ 65.40
Vermiculite	Mg ₃ (Al,Si) ₄ O ₁₀ (OH) ₂ .xH ₂ O	308-64-516	£ 338.30
Wax - <i>n</i> -Alkane - small	CH ₃ (CH ₂) _n	90-189-300	£ 124.50
- large		280-588-972	£ 403.60
Weberite	Na ₂ MgAlF ₇	134-00-231	£ 177.30
Whitlockite	Ca ₃ (PO ₄) ₂	480-00-1090	£ 792.10
Wolframite	FeWO ₄	94-00-130	£ 83.00
Wulfenite	PbMoO ₄	101-00-132	£ 78.00
Wurtzite	ZnS	39-00-58	£ 22.60
Wüstite	FeO	334-00-859	£ 407.40
Xenon Difluoride	XeF ₂	22-00-39	£ 22.70
Ytterbium Iron Oxide	YbFe ₂ O ₄	125-00-212	£ 120.70
Ytterbium Oxyorthosilicate	Yb ₂ OSiO ₄	172-00-281	£ 153.40
Ytterbium Rhodium Stannide	SnYb ₃ Rh ₄ Sn ₁₂	161-00-292	£ 215.00
Yttrium Aluminium Garnet	Y ₃ Al ₅ O ₁₂	413-00-786	£ 496.70
Yttrium Orthoaluminate	YAlO ₃	81-00-140	£ 79.40
Yttrium Barium Copper Oxide	YBa ₂ Cu ₃ O _{7-x}		£ -
- 4 unit cells		133-00-288	£ 183.60
-18 unit cells		423-00-1040	£ 687.80
Yttrium Barium Copper Oxide	YBa ₂ Cu ₃ O ₆	127-00-260	£ 167.30

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Yttrium Barium Copper Oxide	YBa ₂ Cu ₃ O ₉	139-00-316	£ 202.50
Yttrium Boron Carbide	YBC	105-00-294	£ 177.30
Yttrium Copper Oxide	Y ₂ Cu ₂ O ₅	166-00-314	£ 178.60
Yttrium Europium Aluminium Borate	(Y,Eu)Al ₃ (BO ₃) ₄	193-00-269	£ 147.10
Yttrium Iron Garnet	Y ₃ Fe ₅ O ₁₂	419-00-786	£ 496.70
Yttrium Lithium Fluoride	YLiF ₄	115-00-144	£ 91.80
Yttrium Niobium Oxide	YNbO ₄	111-00-158	£ 92.50
Yttrium Sesquioxide (C)	Y ₂ O ₃	218-00-372	£ 223.80
Yttrium Tantalum Oxide	YTaO ₄	78-00-104	£ 62.80
Yttrium Vanadate	YVO ₄	118-00-186	£ 95.60
Zeolites - Beta, polymorph A		2068-00-2648	£ 1,145.40
- Beta, polymorph B		2226-00-2892	£ 1,320.20
- Chabazite		558-00-708	£ 324.40
- EU1		438-00-582	£ 264.10
- Faujasite (One void)		672-00-864	£ 394.80
(Unit cell)		1464-00-1872	£ 855.00
- Faujasite (Hexagonal)		1428-00-1848	£ 842.40
- Ferrierite		744-00-944	£ 440.10
- Heulandite		846-00-1220	£ 567.10
- Levyne		1020-00-1316	£ 611.10
- Linde Sieve A - Supercage		120-00-144	£ 66.10
- Unit		528-00-672	£ 306.80
Cell			
- Linde Sieve L - Unit cell (4 channels)		1612-00-2072	£ 943.00
- 1 channel		600-00-748	£ 342.00
- Mordenite		1172-00-1464	£ 681.50
- P		384-00-480	£ 220.10
- Rho		1056-00-1344	£ 613.60
- Sodalite (framework)		384-00-480	£ 220.10
- Sodalite (+Na)		448-00-672	£ 363.40
- Theta 1		704-00-880	£ 411.20
- VPI-5 AlPO ₄ -54		532-96-772	£ 372.20
- ZK5		1584-00-2016	£ 936.70
- ZSM 5		959-00-1208	£ 599.80
- ZSM 11		1096-00-1356	£ 650.10

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Zinc	Zn	19-00-60	£ 36.30
Zinc Blende - small	ZnS	50-00-72	£ 28.10
- showing {100}, {110}, {111} faces		440-00-758	£ 326.90
Zinc Germanium Phosphide	ZnGeP ₂	79-00-108	£ 55.70
Zinc Hydride	ZnH ₂	81-00-115	£ 56.10
Zinc Hydroxide	Zn(OH) ₂	101-60-163	£ 107.50
Zinc Hydroxycarbonate (Hydrozincite)	Zn ₅ (OH) ₆ (CO ₃) ₂	187-42-290	£ 189.90
Zinc Iron Fluoride bisHydrate (Inverse Weberite)	ZnFeF ₅ ·(H ₂ O) ₂	117-54-164	£ 99.40
Zinc Manganese Oxyhydroxide (Chalcophanite)	ZnMn ₃ O ₇ ·3H ₂ O	295-93-496	£ 289.20
Zinc Polyphosphate	Zn(PO ₃) ₂	219-00-274	£ 174.80
Zinc Selenide	ZnSe	50-00-72	£ 28.70
Zinc Sulphide -Wurtzite	ZnS	39-00-58	£ 22.60
- Zinc Blende small	ZnS	50-00-72	£ 28.10
showing {100},{110},{111} faces		440-00-758	£ 326.90
Zinc Sulphide - 4H Polytype	ZnS	198-00-320	£ 138.30
- 6H Polytype	ZnS	272-00-448	£ 184.90
- 15R Polytype	ZnS	324-00-522	£ 225.10
Zinc Tungstate	ZnWO ₄	94-00-130	£ 83.00
Zircon	ZrSiO ₄	121-00-196	£ 95.60
Zirconium Chromium (C36)	ZrCr ₂	65-00-154	£ 111.30
Zirconium Dioxide (Baddeleyite)	ZrO ₂	145-00-224	£ 144.60
Zirconium Dioxide (cubic)	ZrO ₂	46-00-80	£ 34.80
Zirconium Dioxide (orthorhombic)	ZrO ₂	79-00-147	£ 88.70
Zirconium Dioxide (tetragonal)	ZrO ₂	89-00-160	£ 91.20
Zirconium Hydrogen Phosphate Monohydrate	Zr(HPO ₄) ₂ ·H ₂ O	154-42-214	£ 171.00
Zirconium Niobium Sulphide -κ Phase	Zr _{9.4} Nb _{3.6} S _{3.3} O _x	72-00-163	£ 112.60
Zirconium Nitrogen Chloride - α	ZrNCl	76-00-136	£ 70.50
- β	ZrNCl	110-00-213	£ 110.70
Zirconium Silicate (Zircon)	ZrSiO ₄	121-00-196	£ 95.60
Zirconium Tungstate - (room temp.)	ZrW ₂ O ₈	131-00-167	£ 88.70
Zirconium Tungstate - (high temperature)		185-00-264	£ 139.60

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MATHEMATICAL AND PHYSICAL MODELS

Polyhedra (Set of 4-12 vertex polyhedra)	72-00-162	£	73.60
Polytopes (3-D projections) e.g.{533}	330-00-620	£	348.30
Regular Solids (five)	50-00-90	£	36.90
Improbabubbles - Boxed set of Seven Soap Frame Polyhedra	50-00-97	£	37.10

CRYSTALLOGRAPHIC TEACHING MODELS

Body Centred Cubic	15-00-32	£	14.40
Dislocations - Edge	69-00-154	£	93.70
- Screw	144-00-348	£	240.20
- GaAs 60°	215-00-362	£	230.10
Epitaxial Nb on (1,-1,0,2) surface of Corundum	162-00-342	£	203.70
Epitaxial GaN on (0,0,0,1) surface of Corundum	328-00-593	£	355.90
Face centred cubic	26-00-84	£	53.10
Hexagonal close packing	19-00-60	£	36.10
Lattices, seven primitive crystal	56-00-86	£	36.50
Lattices, fourteen Bravais	491-00-922	£	533.10
Plane Groups, the 17	885-00-1400	£	438.80
Point Groups, the 32 (illustrated by molecules)	418-190-737	£	271.60
Space Group $Ia\bar{3}d$	93-00-126	£	64.20

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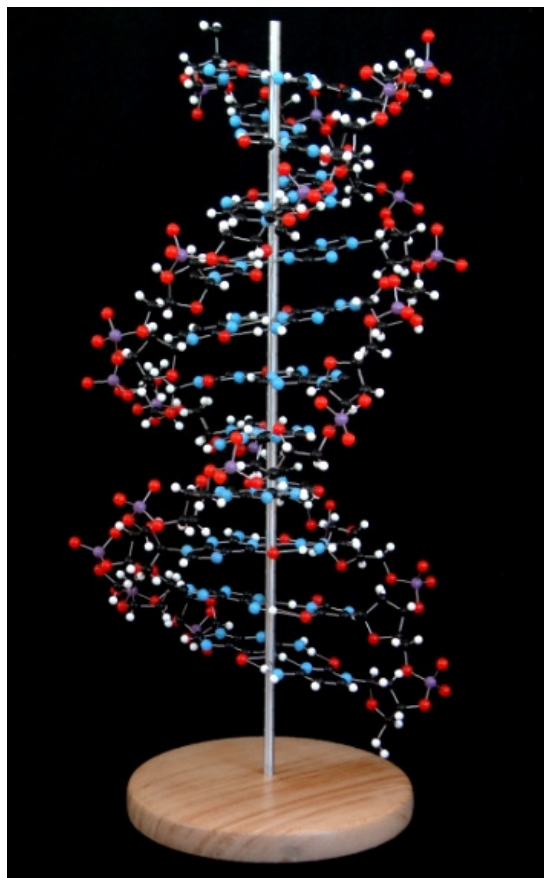
SETS OF MODELS

Amino Acids (7 displayed in case) e.g. ala, pro, ser, met, cys, glu, his.		£ 61.40	
Boranes - set of polyhedra	72-72-234	£ 117.00	
Chirality pair	10-00-08	£ 6.10	
Isomerism of hexane	30-70-95	£ 40.00	
Fullerenes -			
	C ₂₈	28-00-42	£ 17.40
	C ₃₂	32-00-48	£ 19.90
	C ₅₀	50-00-75	£ 30.70
	C ₆₀	60-00-90	£ 36.00
	C ₇₀	70-00-105	£ 40.80
	C ₈₄	84-00-126	£ 52.10
Fullerenes - set of C ₂₈ , C ₃₂ , C ₅₀ , C ₆₀ , C ₇₀ , C ₈₄	324-00-486	£ 197.40	
Set - Partial Silicates - tetrahedra, chains, net, 3D	302-00-315	£ 123.90	

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ORGANIC MOLECULES

We can make models of any molecules you are interested in. Send us data (e.g. SHEL-X, PDB or cif) or a description for a free quote.



A-DNA with beechwood base

BIOLOGICAL MOLECULES

α - Helix	75-53-116	£	48.70
Amino Acids (7 displayed in case) e.g. ala, pro, ser, met, cys, glu, his.		£	61.40
Collagen (Ramachandran model) (+ stand)	195-120-350	£	158.50
Cyclodextrin α -	66-60-132	£	58.10
β -	77-70-149	£	65.40
γ -	88-80-176	£	77.40
Daunomycin -DNA complex	334-180-557	£	286.70
Deoxyribonucleic acid - A-DNA (1 turn + stand)	492-276-804	£	397.30
- B-DNA (1 turn + stand)	473-248-766	£	382.30
- Z-DNA (1 turn + stand)	503-286-884	£	420.00
Ribonucleic acid - A-RNA (1 turn + stand)	492-252-768	£	383.50
Gramicidin A (alanine)	68-162-328	£	168.50
Polypeptides			
- α - Helix	75-53-116	£	47.40
- β -Chain- Antiparallel pleated sheet [-CH(CH ₃)N(H)C(O)-] _n	90-90-192	£	84.90
- β -Chain- Parallel pleated sheet [-CH(CH ₃)N(H)C(O)-] _n	90-90-192	£	84.90

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BEEVERS PROTEIN MODELS

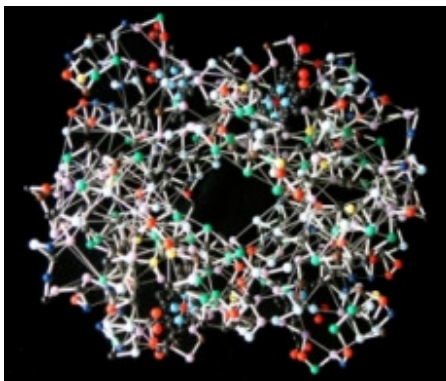
These models are constructed with one ball per residue, with the residues colour coded according to the following list:

black: nonpolar, aliphatic: ala, ile, leu, val, **lilac:** neutral, aromatic: phe, trp, tyr, his
red: acidic: glu, asp **blue:** basic: arg, asn, gln, lys, **green:** neutral polar: ser, thr
yellow: sulphur containing: cys, met **dark blue:** gly **brown:** pro

The main chain is picked out with white sleeving, and the other rods show hydrogen bonding and S-S bridges. Included metal atoms, haem groups, etc., can be shown when required. The models may be inspected from any angle and are not mounted on a base. The scale for these models is 1cm = 2Å. The models can be made from standard data, or your own data sets. The price is approximately £1.50 per residue.

Some examples of specific prices are :

Azurin	129 residues	£ 246.50
Bacteriorhodopsin	230 residues	£ 440.10
Concanavalin-A	237 residues	£ 456.40
Cytochrome-C	103 residues	£ 197.40
Haemoglobin (tetramer)	574 residues	£ 1,098.90
Insulin (hexamer)	306 residues	£ 584.70
Interleukin-8	136 residues	£ 261.60
Interleukin-1b	153 residues	£ 288.00
Lysozyme	127 residues	£ 240.20
Murine Sonic Hedgehog	157 residues	£ 293.00
Prealbumen	452 residues	£ 865.00
Ubiquitin	76 residues	£ 134.60



Haemoglobin, built at a scale of 1cm=2Å

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