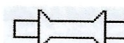


molymod®**MMS-009****Student Set for INORGANIC and ORGANIC Chemistry****CONTENTS: 52 atoms**

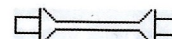
Qty.	Element	Colour	Holes	Angles & type	Dia. mm	Art. Nr.
6	Carbon (C)	Black	4	109 tetra	23	MA-400
14	Hydrogen (H)	White	1		17	MA-110
1	Boron (B)	Beige	3	120 trigonal planar	23	MA-316
1	Nitrogen (N)	Blue	3	107 pyramidal	23	MA-300
2	Nitrogen (N)	Blue	4	109 tetra	23	MA-401
6	Oxygen (O)	Red	2	105 angular	23	MA-200
1	Oxygen (O)	Red	4	109 tetra	23	MA-402
1	Sulphur (S)	Yellow	2	105 angular	23	MA-201
1	Sulphur (S)	Yellow	6	90 octahedral	23	MA-613
1	Phosphorus (P)	Purple	5	90 120 tribipyr.	23	MA-510
1	Phosphorus (P)	Purple	3	107 pyramidal	23	MA-301
6	Halogen (Cl,F)	Green	1		17	MA-111
2	Metal (Na)	Grey	1		20	MA-102
2	Metal (Ca,Mg)	Grey	2	105 angular	23	MA-202
1	Metal (Be)	Grey	2	180 linear	23	MA-213
1	Metal (Al)	Grey	3	120 trigonal planar	23	MA-317
1	Metal (Si, Cu)	Grey	4	109 tetra	23	MA-404
1	Metal	Grey	6	90 octahedral	23	MA-610
1	** sp3	Beige	4	109 tetra	23	MA-408
1	** dsp3	Beige	5	90 120 trigonal bipyramid	23	MA-515
1	** d2sp3	Beige	6	90 octahedral	23	MA-615
3	Lone pair electron cloud			Flat pear-shaped		
Qty.	Links			Total Length		
20	Medium	Grey		31 mm		ML-12
12	Long flex.	Grey		46 mm		ML-13
5	Medium	Purple		31 mm		ML-11
1	Box	Grey		235 x 170 x 35 mm		MB-30
1	Instruction Leaflet					

** Atom-parts The 3 elements shown ** represent any element having the structures:
sp³, tetrahedral, dsp³ trigonal bipyramid, d²sp³ octagonal

Medium grey links are used for single covalent bonds as in water H-O-H



Long grey links are flexible and are used for double (as in oxygen) or triple bonds.



Purple medium links are used for contrast in the following cases:

- Co-ordinate/dative covalent bonds, e.g. H₃N. BF₃, or metal complex ions.
- Representation of ionic bonds in the empirical formulae of ionic compounds such as Na⁺...Cl⁻

Note: Some compounds have both covalent and ionic bonds in the same molecule, e.g. Na⁺...O-H

WARNING! This product is NOT a toy! It is solely designed for educational use and is only suitable for people over 14 years of age. This product contains small parts which may present a choking hazard and should be kept away from small children. Please keep this leaflet for future reference.

For spare or additional parts please contact your original supplier or, Spiring Enterprises Limited, Billingshurst, Sussex, RH14 9EZ Tel: +44 (0) 1403 78 23 87 Fax: +44 (0) 1403 78 52 15
Website: www.molymod.com

Molymod® models are made in England by Spiring Enterprises Ltd. Molymod® is the registered trademark and the design and manufacture of the Molymod® system is the exclusive property of Spiring Enterprises Ltd., England and all rights are reserved.
Community Design Registration No: 000101639 © Spiring Enterprises Ltd., England 2021.