

Supply of Molymod Parts

Quantity	Element	Color	Holes	Type of Bond	Size (mm)	Part #	
10	Hydrogen	White	1		17	60110E	
400	Hydrogen	White	1		19	60150E	
64	Hydrogen	White	2	Linear – 180°	17	60210E	Hydrogen bonds
6	Carbon	Black	2	Linear – sp – 180°	23	60220E	BeCl ₂ , CO ₂
190	Carbon	Black	3	Trigonal – sp ² – 120°	23	60310E	Compact w/dbl bond
184	Carbon	Black	4	Tetrahedral – sp ³ – 109.5°	23	60400E	Ice
12	Carbon	Black	5	Trigonal bi-pyramidal – sp ² d	23	60511E	graphite
60	Nitrogen	Blue	2	Angular - 105°	23	60203E	Purines, NO ₂ ⁻
54	Nitrogen	Blue	3	Trigonal – sp ² – 120°	23	60311E	Peptide bond
52	Nitrogen	Blue	3	Pyramidal – 107°	23	60300E	N ₂ , R-NH ₂ , NH ₃
32	Nitrogen	Blue	4	Tetrahedral – sp ³ – 109.5°	23	60401E	R-NO ₂ ⁻ R-NH ₃ ⁺ , NH ₄ ⁺
4	Nitrogen	Blue	5	Trigonal bi-pyramidal – sp ³ d	23	60512E	no examples
24	Oxygen	Red	1		23	60121E	O ⁻
10	Oxygen	Red	1		20	60103E	O ⁻
20	Oxygen	Red	2	Linear	17	60211E	O hydrogen bond
150	Oxygen	Red	2	Angular - 105°	23	60200E	H ₂ O
32	Oxygen	Red	4	Tetrahedral – sp ³ – 109.5°	23	60402E	CO, O ₃
10	Phosphorus	Purple	1		17	60115E	
10	Phosphorus	Purple	3	Pyramidal – 107°	23	60301E	PH ₃ , PCl ₃
35	Phosphorus	Purple	4	Tetrahedral – sp ³ – 109.5°	23	60407E	PO ₄ ³⁻
32	Phosphorus	Purple	5	Trigonal bi-pyramidal – sp ³ d	23	60510E	PCl ₅
12	Sulfur	Yellow	2	Angular - 105°	23	60201E	SO ₂ sulfur bridge
4	Sulfur	Yellow	4	Tetrahedral – sp ³ – 109.5°	23	60403E	
14	Sulfur	Yellow	6	Octahedral	23	60613E	HCTZ
18	Chlorine	Green	1		23	60120E	
18	Chlorine	Green	6	Octahedral	23	60612E	NaCl
12	Bromine	Orange	1		17	60114E	
12	Iodine	Purple	1		17	60115E	
2	Metal	Grey	2	Angular – 105°	23	60202E	Selenocysteine
2	Metal	Grey	4	Tetrahedral – sp ³ – 109.5°	23	60404E	
23	Metal	Grey	6	Octahedral	23	60610E	NaCl
670	Short Bonds	Clear		Space filling bond	1	61015E	
60	H bond	Purple		van der Waals hydrogen bond	35	61014E	
330	Standard Bond	Grey		Standard medium bond	20	61012E	
232	Flexible Bond	Grey		Double/Triple bond	35	61013E	
140	"V" Links	Grey		Short flexible links	3	61020E	
8	Tool	Cream		Short bond removal tool		61002	
2	Tool	Cream		Push Tool		61001	