

Polyvinyl chloride

(PVC, $\triangle 3$)

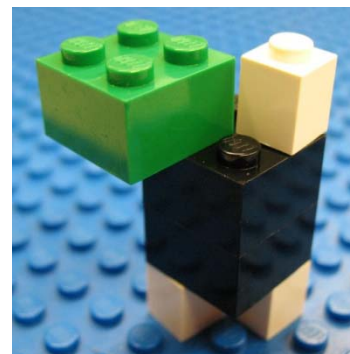
Color key:

black = carbon

white = hydrogen

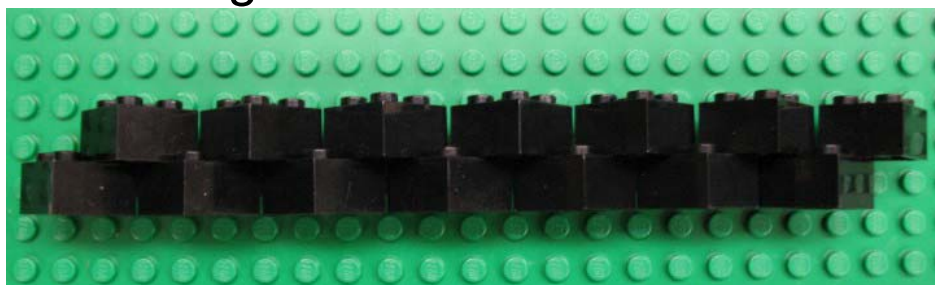
green = chlorine

Monomer for
the addition
polymerization:



vinyl chloride
(chloroethene)

Building the carbon backbone first
might aid in construction.



The structure is very similar to high density polyethylene, except one of the two hydrogen atoms on every other carbon atom has been replaced with a larger chlorine atom.

