Polyvinyl chloride (PVC, $\text{C}_2\text{H}_3\text{Cl}$)

Color key:
black = carbon
white = hydrogen
green = chlorine

Monomer for the addition polymerization:

This model requires:
2 black 2x2 bricks
1 green 2x2 brick
3 white 1x1 bricks

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.