Low Density Polyethylene (LDPE, △)

Monomer for the addition polymerization:

This model requires:
2 black 2x2 bricks
4 white 1x1 bricks

ethylene (ethene)

Color key:
black = carbon
white = hydrogen

Building the carbon backbone first might aid in construction.

The branching polymer chains pack together loosely, causing the polymer to have a lower density than high density polyethylene.