a Addition polymerisation is a type of polymerisation in which unsaturated molecules (monomers) containing a C=C double bond join together to make long-chain molecules.

b There is no small molecule released when the monomers join together in addition to polymerisation.

High pressure, heat, catalyst

c ethene  poly(ethene)

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**2** a n = a large number

b

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name of monomer** | **Name of polymer** | **Use of polymer** |
| A | Propene | poly(propene) | crates and boxes, plastic rope |
| B | Chloroethene | poly(chloroethene)/PVC | pipes, guttering |
| C | tetrafluoroethene | poly(tetrafluoroethene)/PTFE | non-stick pans, non-stick joints |

3-4

