Another type of anionic polymerization involves an epoxide and forms a polyether. The strained three-membered epoxide ring is easily opened by nucleophiles, typically a hydroxide or an alkoxy group. Note! This polymerization is different to the other chain-growth polymerizations discussed because the process forms a C-O bond in the polymer chain.

**Reaction**

![Chemical reaction image]

**Mechanism**

![Mechanism image]

**Contributors**

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