

Polymerization Reactions is chemical reaction in which high molecular mass polymerization molecules are formed from monomers. The formation of a free radical from an organic peroxide is shown below. Polymers produced from this polymerization (polymethyl methacrylate (PMMA), ethylene oxide (PEO), polypropylene (PP)) Ethylene is one example of a monomer used to make a common polymer. In chain-reaction polymerization, the catalyst can be a free-radical peroxide added in relatively low concentrations. Reaction Polymerization-Chain (Polymerization Addition) One of the most common types of polymer reactions is chain-reaction (addition) polymerization.