



ADDITION POLYMERS 2

Monomer	$\begin{array}{c} & \\ \text{C} & = & \text{C} \\ & \end{array}$	Polymer	$\left[\begin{array}{c} & \\ \text{C} & - & \text{C} \\ & \end{array} \right]_n$	$\begin{array}{c} & \\ -\text{C} & - & \text{C}- \\ & \end{array}$
Name	Structure	Name	Structure	Repeating unit
chloroethene	$\begin{array}{c} \text{H} & & \text{Cl} \\ & \diagdown & / \\ & \text{C} = \text{C} \\ & / & \diagdown \\ \text{H} & & \text{H} \end{array}$	poly(chloroethene)	$\left[\begin{array}{c} \text{H} & \text{Cl} \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{H} \end{array} \right]_n$	$\begin{array}{c} \text{H} & \text{Cl} \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{H} \end{array}$
propene	$\begin{array}{c} \text{H} & & \text{H} \\ & \diagdown & / \\ & \text{C} = \text{C} & - & \text{C} - \text{H} \\ & / & \\ \text{H} & & \text{H} \end{array}$	poly(propene)	$\left[\begin{array}{c} \text{H} & \text{CH}_3 \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{H} \end{array} \right]_n$	$\begin{array}{c} \text{H} & \text{CH}_3 \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{H} \end{array}$
acrylonitrile	$\begin{array}{c} \text{H} & \text{H} \\ & \\ \text{C} & = & \text{C} \\ & \\ \text{H} & \text{C} \equiv \text{N} \end{array}$	poly(acrylonitrile)	$\left[\text{CH}_2 - \underset{\text{C} \equiv \text{N}}{\text{CH}} \right]_n$	$\begin{array}{c} \text{H} & \text{H} \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{CN} \end{array}$
ethenol	$\begin{array}{c} \text{H} & \text{OH} \\ & \\ \text{C} & = & \text{C} \\ & \\ \text{H} & \text{H} \end{array}$	poly(ethenol)	$\left[\begin{array}{c} \text{H} & \text{OH} \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{H} \end{array} \right]_n$	$\begin{array}{c} \text{H} & \text{OH} \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{H} \end{array}$
methyl methacrylate	$\begin{array}{c} \text{H} & & \text{CH}_3 \\ & \diagdown & / \\ & \text{C} = \text{C} \\ & / & \diagdown \\ \text{H} & & \text{COOCH}_3 \end{array}$	poly(methyl methacrylate)	$\left[\begin{array}{c} \text{H} & \text{CH}_3 \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{COOCH}_3 \end{array} \right]_n$	$\begin{array}{c} \text{H} & \text{CH}_3 \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{COOCH}_3 \end{array}$
vinylidene chloride	$\begin{array}{c} \text{H} & \text{Cl} \\ & \\ \text{C} & = & \text{C} \\ & \\ \text{H} & \text{Cl} \end{array}$	poly(vinylidene chloride)	$\left[\text{CH}_2 - \underset{\text{Cl}}{\text{C}} \right]_n$	$\begin{array}{c} \text{H} & \text{Cl} \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{Cl} \end{array}$
but-2-ene		poly(but-2-ene)	$\left[\begin{array}{c} \text{CH}_3 & \text{CH}_3 \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{H} \end{array} \right]_n$	$\begin{array}{c} \text{CH}_3 & \text{CH}_3 \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{H} & \text{H} \end{array}$
dichloropropene	$\begin{array}{c} \text{H} & \text{H} \\ & \\ \text{H} - \text{C} & - & \text{C} = \text{C} \\ & & \\ \text{H} & \text{Cl} & \text{Cl} \end{array}$	poly(dichloropropene)	$\left[\begin{array}{c} \text{CH}_3 & \text{H} \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{Cl} & \text{Cl} \end{array} \right]_n$	$\begin{array}{c} \text{CH}_3 & \text{H} \\ & \\ -\text{C} & - & \text{C}- \\ & \\ \text{Cl} & \text{Cl} \end{array}$