



ADDITION POLYMERS 2

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