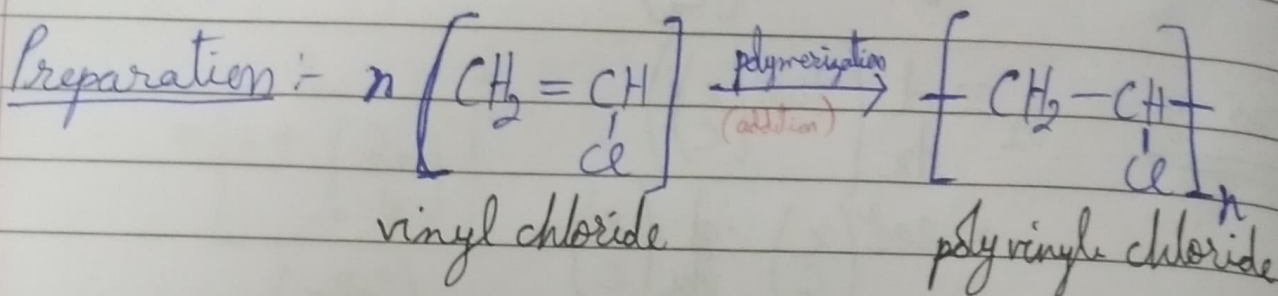


Addition Polymer

① PVC - Poly Vinyl Chloride



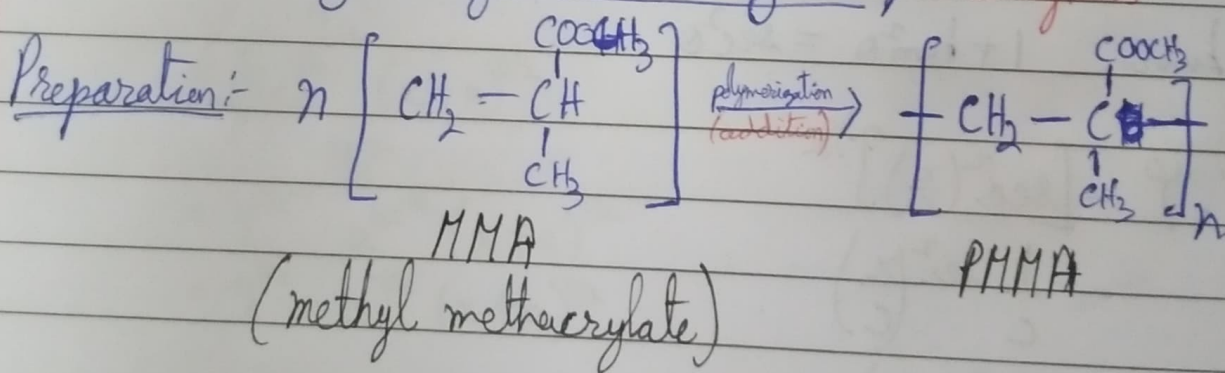
Properties:-

- i) Colourless, odourless, non-inflammable
- ii) It has chemical/oil resistance
- iii) It has resistance to weathering

Uses:-

- i) It is used for making pipes
- ii) It is used for making bottles
- iii) It is used for making rain wear

② PMMA - Poly methyl methacrylate / Plexiglass



Properties:-

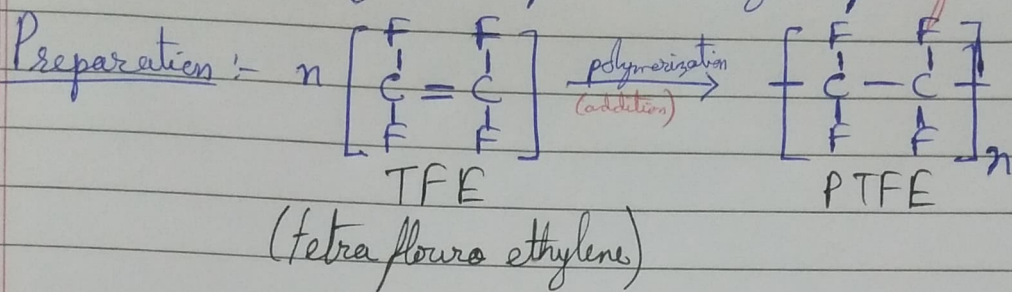
- i) It is transparent
- ii) It is colourless, odourless
- iii) It is chemical resistant

} Same as PVC

Uses:-

- i) It is used as Pseudo glass
- ii) It is used for making vehicle glass & window glass

③ PTFE - Poly tetra fluoro ethylene / Teflon



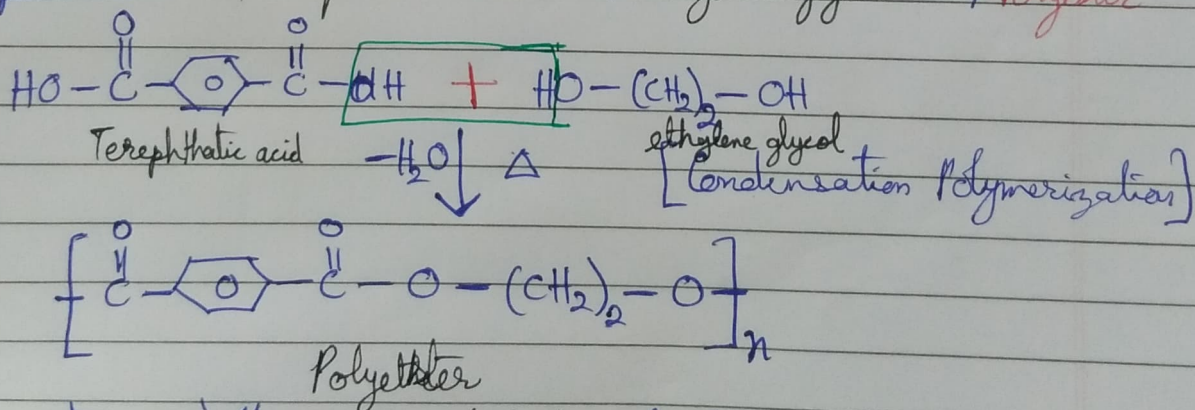
- Properties :-
- i) It has heat resistance
 - ii) It has chemical/oil resistance
 - iii) It has anti rusting properties
 - iv) It has highly crystalline properties

Uses :- v) It has very low dielectric constant (low conductance)

- Uses :-
- i) It is used as ~~ins~~ insulators in wires/cables
 - ii) It is used as coating material

④ PET - Polyethylene Terephthalate / Polyester

Preparation :- Terephthalic acid + ethylene glycol \rightarrow Polyester



- Properties :-
- i) It is an aliphatic polyester
 - ii) It is resistant to solvents and moisture
 - iii) It ~~is~~ is chemical resistant

- Uses :-
- i) It is used in manufacturing carpets
 - ii) It is recyclable
 - iii) It is used in food packaging