B.Sc. Semester-VI Organic Chemistry Paper-XIV

2. Synthetic Polymers

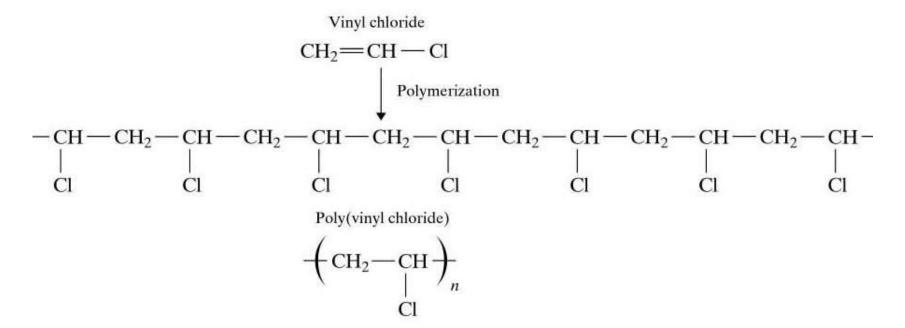
Coverage:

- 17. (i) Polyvinyl Chloride
 - (ii) Styrene-Butadiene Rubber

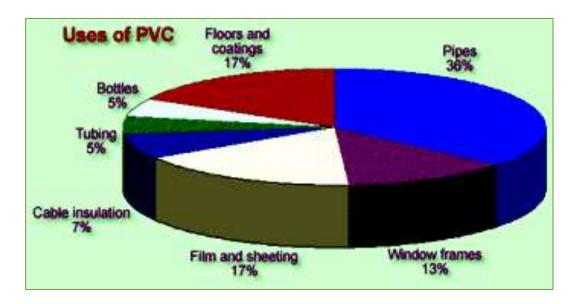


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Polyvinyl Chloride



Polyvinyl chloride (PVC) is third-most widely produced synthetic polymer after polyethylene and polypropylene. It is a white, brittle solid. It is insoluble in alcohol but slightly soluble in tetrahydrofuran.



Styrene-Butadiene Rubber

Styrene-Butadiene Rubber (SBR) is a synthetic copolymer and Presently used in place of most natural rubber

Styrene-Butadiene Rubber describes family of addition copolymer formed between two different monomers, styrene and butadiene. About 50% of car tires are made from SBR. These materials have good abrasion resistance and good aging stability when protected by additives