

Chapter 03

Synthetic Fibres and Plastics

Plastics:

- Plastics are one of the another class of polymers.
- We can have different types of polymers based on their structure as linear branched and cross - linked polymers.
- Like synthetic fibres, different types of plastics has become part of our life.

Ex. Polyethylene is commonly used for the preparation of polythene bags.

- Plastics are classified into two types. They are thermos plastics and thermosetting plastics.

Thermoplastics:

The type of plastics which can be moulded and reheated again and again. They become soft on heating and hard on cooling. We can recycle this type of plastic to any no of times.

- Polythene is one of the best example of thermoplastic. PVC is also one another example.

Thermosetting plastic:

Before heating they are normal liquids, but once heated they are converted into infusible mass, and cannot be remelted again. Such plastics are called thermosetting plastics.

Ex. Bakelite, Melamine, Urea formaldehyde, etc.