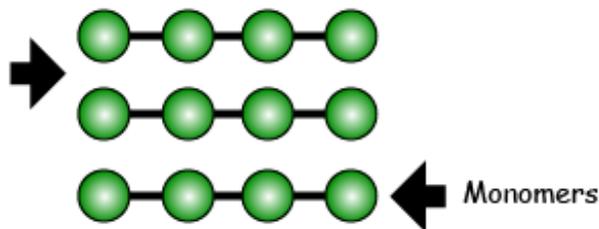


Thermoplastics

No links between polymer chains helps movement.

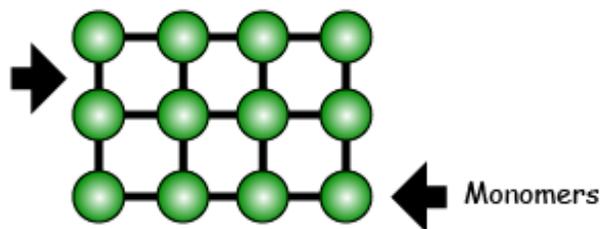


Thermosetting plastics

Thermosetting plastics can only be heated and shaped once. If re-heated they cannot soften as polymer chains are interlinked. Separate polymers are joined in order to form a huge polymer. The main thermosetting plastics are epoxy resin, melamine formaldehyde, polyester resin and urea formaldehyde.

Thermosetting plastics

Links between polymer chains stops movement between them.



Quiz time!

Mr DT says 'Read the text above and then answer these questions below'. Write your answers on a sheet of paper, don't forget to write your name on the sheet!:-

- 1). What are the two main sources from which plastic can be created?
- 2). Name a natural plastic?
- 3). How are synthetic plastics made?
- 4). What is polymerisation?
- 5). What two types of plastics exist?
- 6). Describe thermosetting plastics and thermoplastics in your own words?
- 7). What is the main difference between thermosetting plastics and thermoplastics?
- 8). Name the main thermosetting plastics?
- 9). Name the main thermoplastics?