

CLASS-8 SUBJECT-SCIENCE DATE 20.05.2020 PAWAN KR.

LEARNING MATERIALS.

CHAPTER: SYNTHETIC FIBRES AND PLASTICS.

TOPIC : POLYESTER

- Polyester is another synthetic fibre. Polyester is the general name of synthetic fibres which contain many ester groups
- Ester are the organic chemical substances which give fruits their sweet smell)
- Polyester (poly+ester) is made up of repeating units of a chemical called an 'ester'.
- The chemical compounds used in making polyester fibres are made from petroleum products called petrochemicals.
- Terylene is a popular polyester fibre. Polyester is also a thermoplastic polymer.
- When molten polyester is forced through the tiny holes of a spinneret , then thin polyester fibres are formed.
- Properties of polyester
 - i)polyester is strong and durable. It is easy to wash and dry.
 - ii)It is crease- resistant fabric.
 - iii) It is water proof.
 - iv) It is not attacked by insects or fungus.
- **BLENDED FABRICS:** Fabrics made by mixing two or more types of fibres are called blended fabrics.
- Polycot is a blend of polyester and cotton. It is used to make shirts , saris and so on. The polyester helps the fabric retain its shape and makes it wrinkle resistant and stain resistant. The cotton component makes the fabric more absorbent and comfortable to wear.

- **Terywool is a blend of Terylene and wool. It is wrinkle resistant and retains shape .It is durable, and the wool component increases its elasticity.**

- **USES OF POLYESTER FIBRES**

I)polyester (like terylene) is in making fabrics for sarees,dress materials and curtains.

II)polyester is used for making sails of sail-boats. The polyester sails are light, strong, do not stretch and do not rot in contact with water.

III)Polyester is used for making water hoses for fire-fighting operations.

Iv) polyester is used for making conveyer belts.



- To take notes, just tap here and start typing.
- Or, easily create a digital notebook for all your notes that automatically syncs across your devices, using the free OneNote app.

To learn more and get OneNote, visit www.onenote.com.