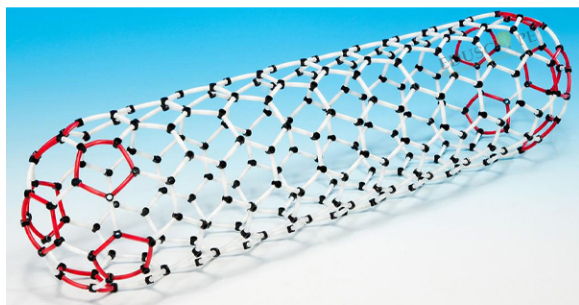


Product Code . EDS-MM-10996

Carbon Nanotubes



Description

Jainco Export Study the unique molecular structure of carbon nanotubes.

Their unique molecular structure results in numerous potential exciting applications in current day nanoscience which can engage pupils and help to create a link between chemistry and the 'real world'.

Fullerene molecules are all visually interesting and can be well represented by Jainco Export molecular models.

This 530mm model uses atoms from the Minit system which can be arranged to show the chair, zigzag or chiral structures of the tube and the associated properties.

Particular areas to study include:

- The similarities in structure of carbon nanotubes and the layers in graphite.
- Different symmetries of carbon rings in the carbon nanotube Jainco Export- the chair, zigzag and chiral structures - and how these differences affect properties such as strength and conductivity and hence potential applications.

Kits contains 260 atoms.

- How curvature is achieved in the molecular shape of the ends of nanotubes due to the difference in bonding angles.
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