

AQA – Alkenes – AS Chemistry P2

1. No.6

0 6

This question is about poly(chloroethene), commonly known as PVC.

0 6 . 1

Give an equation, showing structural formulas, for the conversion of chloroethene into poly(chloroethene).

[3 marks]

0 6 . 2

State what you would observe if bromine water was added to poly(chloroethene). Explain this observation.

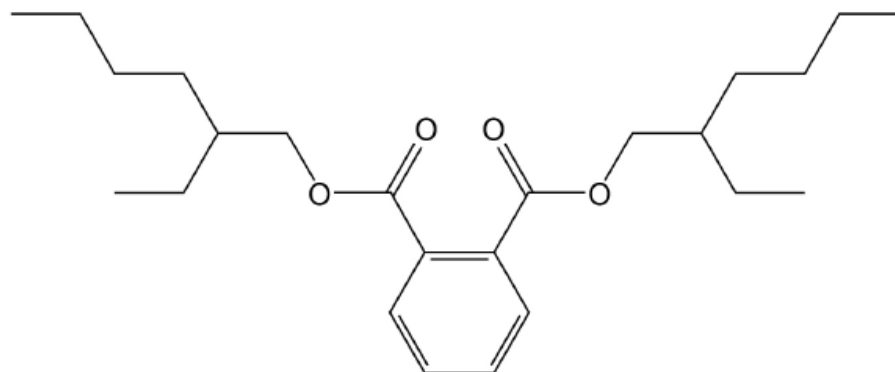
[2 marks]

Observation _____

Explanation _____

0 6 . 3

Plasticisers are often added during the manufacture of PVC. The structure of the plasticiser DEHP is shown.



Deduce the molecular formula of DEHP and state why a plasticiser is added to PVC.

[2 marks]

Molecular formula _____

Why a plasticiser is added _____
