

# Self-Assessment: Organic Materials

## Weekly Quiz 1: Polymers

Butene,  $\text{H}_2\text{C}=\text{CH}-\text{CH}_2-\text{CH}_3$ , can be reacted to form isotactic polybutene (PB).

(a) Draw a trimer of isotactic PB.

(b) What is the value of the degree of polymerization,  $n$ , of isotactic PB with a molecular weight of  $3.091 \times 10^5$  g/mol?

(c) Is isotactic PB a thermoset or a thermoplastic? Explain.

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