Chemistry Formula Sheet

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CHAPTER 31

Polymers

Classification and polymerisation

addition (chain growth) vs condensation (step growth); homopolymer vs copolymer

Important polymers

nylon-6,6: hexamethylenediamine + adipic acid; nylon-6: caprolactam

terylene: ethylene glycol + terephthalic acid; Bakelite: phenol + HCHO

Buna-S: butadiene + styrene; Buna-N: butadiene + acrylonitrile;

neoprene: chloroprene

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