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The second edition of *Principles of Polymer Engineering* brings up-to-date coverage for undergraduates studying materials and polymer science. The opening chapters show why plastics and rubbers have such distinctive properties and how they are affected by temperature, strain rate, and other factors. The rest of the book concentrates on how these properties can be exploited to produce functional components within the constraints placed on them. The main changes for the second edition are a new chapter on environmental issues and substantially rewritten sections on yield and fracture and forming.

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Review

"... very stimulating read... [this] textbook can be strongly recommended."--*Polymer*

"... someone who knew what is contained here would be well equipped to go out into the real world and discover why the handles break off kettles."--*The Times Higher Education Supplement*

About the Author

N. G. McCrum is at University of Oxford. C. P. Buckley is at University of Oxford.

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