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7. Viscoelastic behaviour; 7.1 Introduction; 7.2 Linear viscoelastic models; 7.3 Creep design; 7.4 Cyclic deformation; Chapter 8. Yielding; 8.1 Molecular mechanisms of yielding; 8.2 Yield under different stress states; 8.3 Yield on different timescales; 8.4 Orientation hardening; 8.5 Micro-yielding; Chapter 9. Fracture; 9.1 Introduction; 9.2 Fracture surfaces and their interpretation
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A.1 Molecular models for diffusion

Sommario/riassunto

Now in its Third Edition, *Plastics* is the key text for senior students studying the science and engineering of plastic materials. Starting from microstructure and physical properties, the book covers the mechanical, chemical and electrical properties of plastic materials, and also deals in detail with wider plastics issues that today's engineers and materials scientists need such as manufacturing processes and the design of plastic products. The new edition has been updated to reflect changes in polymer technology and the plastics industry, and the increased knowledge of the m
