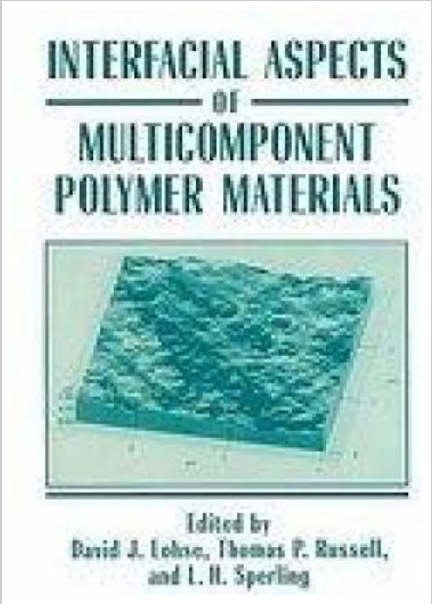

Interfacial Aspects of Multicomponent Polymer Materials

By David J. Lohse

Springer Nov 1997, 1997. Buch. Book Condition: Neu. 254x178x23 mm. This item is printed on demand - Print on Demand Neuware - In August, 1996, the ACS Division of Polymeric Materials: Science and Engineering hosted a symposium on Interfacial Aspects of Multicomponent Polymer Materials at the Orlando, Florida, American Chemical Society meeting. Over 50 papers and posters were presented. The symposium proper was preceded by a one-day workshop, where the. basics of this relatively new field were developed. This edited book is a direct outcome of the symposium and workshop. Every object in the universe has surfaces and interfaces. A surface is defined as that part of a material in contact with either a gas or a vacuum. An interface is defined as that part of a material in contact with a condensed phase, be it liquid or solid. Surfaces of any substance are different from their interior. The appearance of surface or interfacial tension is one simple manifestation. Polymer blends and composites usually contain very finely divided phases, which are literally full of interfaces. Because interfaces are frequently weak mechanically, they pose special problems in the manufacture of strong, tough plastics, adhesives, elastomers, coatings, and fibers. This book provides...

Reviews

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-- ***Judge Mills***