



Properties of Polymers, Third Edition

By D.W. van Krevelen?

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As a source of data and for estimation of properties to be expected this book is now widely used all over the world. This Third Edition is thoroughly revised and updated. Its objectives, as for the previous two editions, are to correlate properties with chemical structure and to describe methods that permit the estimation and prediction of numerical properties from chemical structure, ie. nearly all properties of the solid, liquid and dissolved states of polymers. New are chapters and sub-chapters discussing extended chain polymers, liquid crystal polymers and high performance polymers, De Gennes' scaling concept of polymer solutions, physical aging, acoustic properties, the dual-mode permeation theory, the decomposition temperature and polymer reinforcing constructions. The chapters and sub-chapters on molecular mass distribution, glass and crystalline-melt temperatures, equations of state and on failure mechanisms have been greatly extended.

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Review

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