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Nota di contenuto	Models for dynamics of relaxation in glasses -- Sub-Tg relaxations in heavy metal fluoride glasses -- Mechanical relaxation in solid polymers: Proposal for a new approach and a solution of Heijboer's problem -- Dynamic mechanical and creep studies of PMMA in the ?- and ?-relaxation regions. Physical ageing effects and non-linear behaviour -- Relaxation processes in glassy ionic solids -- Secondary relaxations and the properties of glasses and liquids -- Developments in the non-newtonian rheology of glass forming systems -- 13C NMR investigation of local motions involved in secondary relaxation of polymers -- 2H NMR investigations on glass forming systems -- Phenyl-ring mobility in bulk polystyrene -- Correlation between changes in molecular mobility and volume in glass-forming materials -- Thermal cycling of glasses: A theoretical and experimental approach -- Application of Adam-Gibbs' theory to thermodynamic recovery and structural relaxation -- Photon correlation spectroscopy to study the dynamics of ?- and ?-relaxation in amorphous poly(Alkylmethacrylates) above Tg.

This book presents the proceedings of a workshop on glass-forming liquids held at the University of Bielefeld in 1985. The aim of the meeting was to seek unifying interpretations which may apply to all glass-forming materials like inorganic and polymer glasses. Also, new data was presented and modern interpretations were applied which represent the state-of-the-art knowledge about the unusual physical properties of these chemically-diverse glass-forming materials. The book should be of interest to specialists in the subject, to polymer scientists, glass technologists and materials scientists, but also - and most importantly - to researchers and teachers who wish to become informed on some of the most recent fundamental research in the fields.
