



Chemistry of Glasses (Hardback)

By A. Paul

Chapman and Hall, United Kingdom, 1989. Hardback. Book Condition: New. 2nd ed. 1990. 234 x 156 mm. Language: English . Brand New Book ***** Print on Demand *****.Continuing developments in glass science and technology have necessitated the revision of this successful work, which provides up-to-date coverage of the chemistry of glasses. A thorough treatment of the molecular structure and chemistry of the glassy state is presented in order that the relationship between properties and function in glasses may be appreciated. For the new edition, two new chapters have been added; one dealing with the chemistry of glass batch reactions and the other with the sol-gel method of glass making. A further new section has been included on the strength of glasses. The formation and transformations of glasses are discussed, followed by chapters on physical properties, chemical durability, redox reactions and acid-base concepts. The author then shows how colour originates in glasses and finally considers the polymeric nature of glass-forming melts. This text should be useful as both a text and reference to all those studying glass whether as chemists, materials scientists, or glass scientists and technologists. This book should be of interest to senior undergraduates/graduates and professionals in materials science,...



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