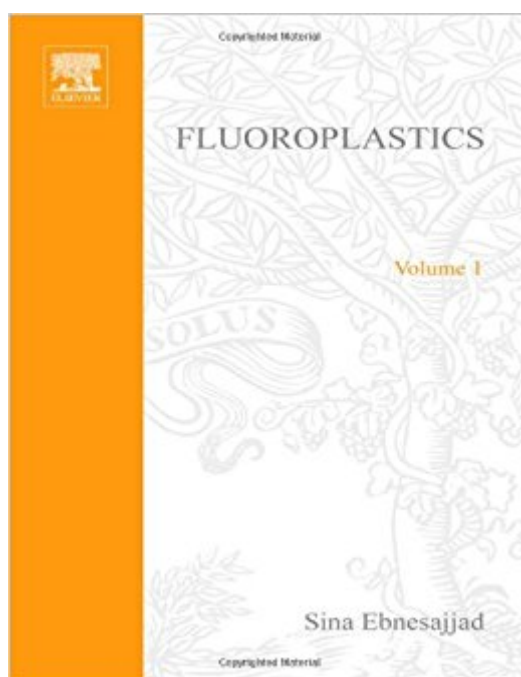


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Fluoroplastics, Volume 1: Non-Melt Processible Fluoroplastics (Plastics Design Library) (v. 1)



Synopsis

Today, a generational change is taking place in the fluoropolymer industry. The pioneers of PTFE developed an astonishing mass of basic and applied technical work. Now many of these experts are retiring and a new generation is taking their place. This new generation brings a plethora of skills, built upon the basic knowledge of fluoropolymer technology. Speaking to the needs of today's engineering and science students and practicing professionals, this book provides an in-depth treatment of homofluoropolymer polymerization and part fabrication technology. A comprehensive range of issues surrounding the manufacturing of the monomer; polymer, fabrication, end-use, safety, and disposal are covered. The book has been arranged to allow self-managed reading and learning. It is both a source of data and a reference.

Book Information

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Customer Reviews

Targeted to engineering and science students and practicing professionals in the fluoropolymers industry. This is the first in a two volume set.

Sina Ebnesajjad is the series editor of Plastics Design Library (PDL) published in the William Andrew imprint of Elsevier. This Series is a unique series, comprising technology and applications handbooks, data books and practical guides tailored to the needs of practitioners. Sina was the editor-in-chief of William Andrew Publishing from 2005 to 2007, which was acquired by Elsevier in

2009. He retired as a Senior Technology Associate in 2005 from the DuPont fluoropolymers after nearly 24 years of service. Sina founded FluoroConsultants Group, LLC in 2006 where he continues to work. Sina earned his Bachelor of Science from the School of Engineering of the University of Tehran in 1976, Master of Science and PhD from the University of Michigan, Ann Arbor, all in Chemical Engineering. He is author, editor and co-author of fifteen technical and data books including five handbooks on fluoropolymers technology and applications. He is author and co-author of three books in surface preparation and adhesion of materials, two of which are in their second editions. Sina has been involved with technical writing and publishing since 1974. His experiences include fluoropolymer technologies (polytetrafluoroethylene and its copolymers) including polymerization, finishing, fabrication, product development, failure analysis, market development and technical service. Sina holds six patents.

This is a very thorough publication dealing with fluoroplastics that are being processed by methods other than shaping the melt. The book has a good flow and describes very thoroughly fundamentals, properties and structure, monomers, their synthesis and properties, polymerization methods, processing and fabrication methods. Additional chapters discuss properties, applications, safety, disposal and recycling of this type of commercial fluoropolymers. At the end of the book, there are additional very useful data on polytetrafluoroethylene and polychlorotrifluoroethylene in the form of appendices as well as a large glossary. With the wealth of valuable information and data this book is one of a kind and a valuable resource for anyone seeking information on the subject.

With reference to table of content, & Author working with company like Dupont (Pioneer in field of Polymer like P.T.F.E) & my experience in field of p.t.f.e., I am very much sure that this book will satisfy all expectation of each concerned people

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