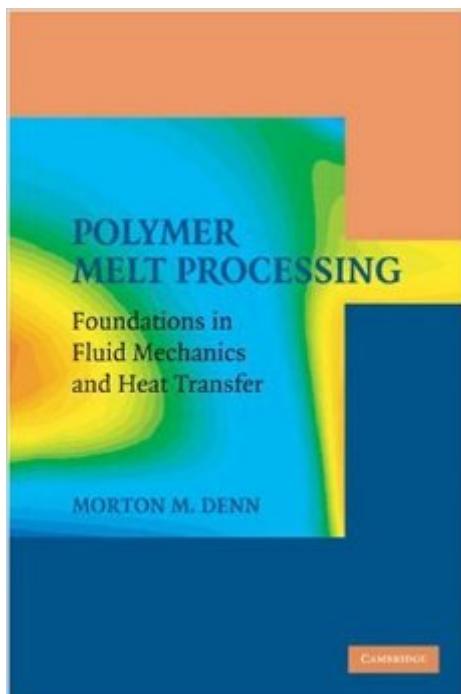


The book was found

# Polymer Melt Processing: Foundations In Fluid Mechanics And Heat Transfer (Cambridge Series In Chemical Engineering)



## Synopsis

Most of the shaping in the manufacture of polymeric objects is carried out in the melt state, as it is a substantial part of the physical property development. Melt processing involves an interplay between fluid mechanics and heat transfer in rheologically complex liquids, and taken as a whole it is a nice example of the importance of coupled transport processes. This book is on the underlying foundations of polymer melt processing, which can be derived from relatively straightforward ideas in fluid mechanics and heat transfer; the level is that of an advanced undergraduate or beginning graduate course, and the material can serve as the text for a course in polymer processing or for a second course in transport processes.

## Book Information

Series: Cambridge Series in Chemical Engineering

Hardcover: 264 pages

Publisher: Cambridge University Press (August 4, 2008)

Language: English

ISBN-10: 0521899699

ASIN: B007MXH21S

Product Dimensions: 7 x 0.9 x 10 inches

Shipping Weight: 1.8 pounds

Average Customer Review: 5.0 out of 5 stars See all reviews (1 customer review)

Best Sellers Rank: #3,050,565 in Books (See Top 100 in Books) #62 in Books > Science & Math > Chemistry > Polymers & Macromolecules #312 in Books > Engineering & Transportation > Engineering > Chemical > Plastics #766 in Books > Engineering & Transportation > Engineering > Chemical > Fluid Dynamics

## Customer Reviews

This book is a sound introduction to those who want to get fundamental understanding of the polymer processing principles and rheological/fluid mechanics analysis of the flow fields. I find this book has a right rigor for a graduate course on polymer processing. Even otherwise it is a must have book for all those who work in related fields.

[Download to continue reading...](#)

Polymer Melt Processing: Foundations in Fluid Mechanics and Heat Transfer (Cambridge Series in Chemical Engineering) Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in

Computational and Physical Processes in Mechanics and Thermal Sciences) Fluid Mechanics for Chemical Engineers (McGraw-Hill Chemical Engineering) Compact Heat Exchangers for Energy Transfer Intensification: Low Grade Heat and Fouling Mitigation Process Fluid Mechanics, (Prentice-Hall International Series in the Physical and Chemical Engineering Sciences) Chemical Engineering Design and Analysis: An Introduction (Cambridge Series in Chemical Engineering) Thermodynamics and Statistical Mechanics: An Integrated Approach (Cambridge Series in Chemical Engineering) Thermoplastic Melt Rheology and Processing (Plastics Engineering) Fluid Mechanics for Chemical Engineers Functional Polymer Coatings: Principles, Methods, and Applications (Wiley Series on Polymer Engineering and Technology) Heat and Mass Transfer: Fundamentals and Applications Fundamentals of Momentum, Heat, and Mass Transfer Two-Phase Flow and Heat Transfer (Oxford Chemistry Primers) Fundamentals of Heat and Mass Transfer Fundamentals of Heat and Mass Transfer, 7th Edition Introduction to Heat Transfer Heat Transfer: Thermal Management of Electronics Radiation Heat Transfer (Oxford Chemistry Primers) Radiative Heat Transfer, Third Edition Schaum's Outline of Heat Transfer, 2nd Edition (Schaum's Outlines)

[Dmca](#)