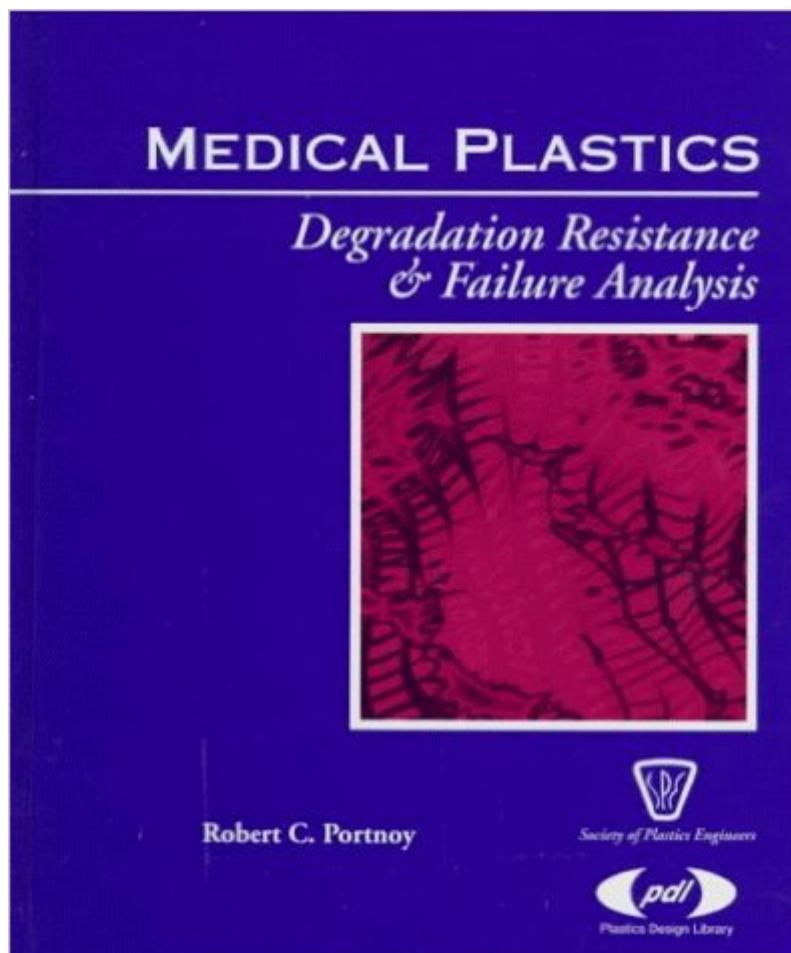


The book was found

# Medical Plastics: Degradation Resistance And Failure Analysis (Plastics Design Library)



## Synopsis

The use of plastics is widespread. Less widespread, however, is a clear understanding and examination of the many forms of degradation inherent within the very environments these materials must perform. *Medical Plastics: Degradation Resistance & Failure Analysis* fills that void. The introductory chapter gives an overview of the medical applications of plastics and the specific performance requirements they need to meet. The following chapters discuss various degrading environments and their effects including environmental stress cracking, effect of body liquids, effect of harsh environments, and various methods of sterilization. The book also discusses the failure of medical devices due to contamination, low temperature, the effects of UV light, migration of formulation components, mechanical stresses, and problems with design and fabrication. Case histories of failures of some common products used in medicine are also provided.

## Book Information

Series: Plastics Design Library

Hardcover: 218 pages

Publisher: William Andrew; 1 edition (January 14, 1999)

Language: English

ISBN-10: 188420760X

ISBN-13: 978-1884207600

Product Dimensions: 1 x 7.5 x 9 inches

Shipping Weight: 1.2 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,080,496 in Books (See Top 100 in Books) #98 in Books > Textbooks > Medicine & Health Sciences > Reference > Instruments & Supplies #153 in Books > Medical Books > Medicine > Reference > Instruments & Supplies #401 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Testing

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

Medical Plastics: Degradation Resistance and Failure Analysis (Plastics Design Library) Software

Failure: Management Failure: Amazing Stories and Cautionary Tales (Wiley Series in Software

Engineering Practice) Changing Pathways: Forest Degradation and the Batek of Pahang, Malaysia

The Patient's Medical Journal: Record Your Personal Medical History, Your Family Medical History,

Your Medical Visits & Treatment Plans Sculpture Casting: Mold Techniques and Materials: Metals,

Plastics, Comcrete Pam Longobardi: Drifters: Plastics, Pollution, and Personhood Effective FMEAs:

Achieving Safe, Reliable, and Economical Products and Processes using Failure Mode and Effects Analysis Spend Analysis and Specification Development Using Failure Interpretation Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) .NET Framework Standard Library Annotated Reference, Volume 2: Networking Library, Reflection Library, and XML Library Architecture and Design Library: French Country (Arch & Design Library) Architecture and Design Library: Mediterranean Style (Arch & Design Library) Architecture and Design Library: Bungalow Style (Arch & Design Library) Architecture and Design Library: Retro-Modern (Arch & Design Library) What's Wrong With My Snake? A User-Friendly Home Medical Reference Manual (The Herpetocultural Library) (Herpetocultural Library, The) High Availability for the LAMP Stack: Eliminate Single Points of Failure and Increase Uptime for Your Linux, Apache, MySQL, and PHP Based Web Applications The Rise: Creativity, the Gift of Failure, and the Search for Mastery Beyond Blame: Learning From Failure and Success Patterns of Software System Failure and Success A Floating Chinaman: Fantasy and Failure across the Pacific

[Dmca](#)