



DOWNLOAD



Ultrathin Polymer Films

By Mishreyee Bhattacharya

LAP Lambert Academic Publishing Mrz 2013, 2013.

Taschenbuch. Book Condition: Neu. 220x150x12 mm. This item is printed on demand - Print on Demand Neuware - Polymer ultrathin films have become a fascinating multidisciplinary area of research due to its endless applications in our day-to-day life. With reduction of film thickness to a dimension comparable to the chain length, the confinement effect makes polymer films ideal system to investigate novel properties of two dimensional physics. Advent of sophisticated experimental techniques facilitates proper characterization of these films though literature is inadequate focusing thermal properties and glass transition temperature (T_g) in ultrathin polymer films (100nm), which remains a challenging area for basic studies. This book presents new analysis scheme based on x-ray reflectivity technique to determine temperature dependent thickness variations and describes the utility of the scheme through detail and successful investigations of phenomena like negative thermal expansion and distributed T_g in ultrathin films. This book also ventures another emerging field of polymer research to observe how ion implantation can modify the polymer films. The analyses and results discussed here should be especially helpful for professionals to shed more light in the basic research of polymer films. 196 pp. Englisch.



READ ONLINE
[9.49 MB]

Reviews

This created ebook is great. it was writtern very properly and useful. Its been printed in an exceedingly easy way in fact it is just right after i finished reading this pdf where basically modified me, alter the way i think.

-- **Aglae Becker**

This ebook is definitely worth buying. It is definitely basic but excitement within the fifty percent in the ebook. Its been designed in an extremely straightforward way which is merely following i finished reading this ebook where basically changed me, alter the way in my opinion.

-- **Ward Morar**