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## **Prediction Of Polymer Properties 2nd**

Prediction of Polymer Properties 2nd Edition By Jozef Bicerano (Author) Product Details Series: Plastics Engineering, Vol 38 (Book 38) Hardcover: 528 pages Publisher: Marcel Dekker Inc; 2nd Rev edition (August 1996) Language: English ISBN-10: 0824797817 ISBN-13: Product Dimensions: 1.2 x 7.5 x 10.5 inches Excellent customer service.

## **Prediction of Polymer Properties 2nd Rev Edition - amazon.com**

This practical Second Edition of an incomparable resource extends its presentation of a revolutionary breakthrough in the methodology of predicting polymer properties through quantitative structure-property relationships and continues to demonstrate in a simple, straightforward manner how this methodology can be applied to a much wider variety of polymer types than was previously possible.

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PCSP: a computer program to predict and analyze the packing in crystalline polymers. Polymer  
1999, 40 (26) , 7351-7358. DOI: 10.1016/S0032-3861(99)00089-0. Alfred Uhlherr, Doros N  
Theodorou. Hierarchical simulation approach to structure and dynamics of polymers.

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Molecular dynamics predictions of thermomechanical properties of an epoxy thermosetting  
polymer. ... The second peak at about 1.43Å is the distance between bonded carbon atoms and non-  
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Workflow. The workflow in Fig. 1 summarizes the preparation of the polymer dataset. In the first step, crystal structures of polymers and related compounds were collected from various available sources, including the reported literature, the Crystallography Open Database (COD) 15, and our structure prediction works 20–26. Those obtained from structure prediction runs were subjected to a ...

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obtained by adding the contributions assigned to individual groups and pairs of groups.

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predicting polymer properties that converge at higher chain lengths must have three properties: (i) the descriptors should represent intensive properties instead of extensive ones; (ii) the descriptors should provide correct chemical environments for all atoms; (iii) the descriptors should pro-

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