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Chm 642 Seminar
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Seminar Title: Self-Healing Polymers

Abstract

Materials that respond to damage and restore their own mechanical integrity have a wide range of applications. Self-healing polymers are one class of such materials. This presentation will provide an overview of current research in the field of self-healing polymers. There will be a particular focus on the chemical mechanisms underlying healing, especially radical, covalent and ionic chemical processes. Methods of mechanically testing and evaluating these materials will also be presented.