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Particles; 2.3.3 LbL Deposition; 2.3.4 Plasma Treatment  
3.7 COMMERCIAL COATINGS 3.8 CONCLUSIONS AND OUTLOOK;  
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Chapter 5 Stimuli-Responsive Polymers as Active Layers for Sensors

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Sommario/riassunto

Focusing on a variety of coatings, this book provides detailed discussion on preparation, novel techniques, recent developments, and design theories to present the advantages of each function and provide the tools for better product performance and properties. Presents advantages and benefits of properties and applications of the novel coating types. Includes chapters on specific and novel coatings, like nanocomposite, surface wettability tunable, stimuli-responsive, anti-fouling, antibacterial, self-healing, and structural coloring. Provides detailed discussion on recent developments in the field as well as current and future perspectives. Acts as a guide for polymer and materials researchers in optimizing polymer coating properties and increasing product performance.

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