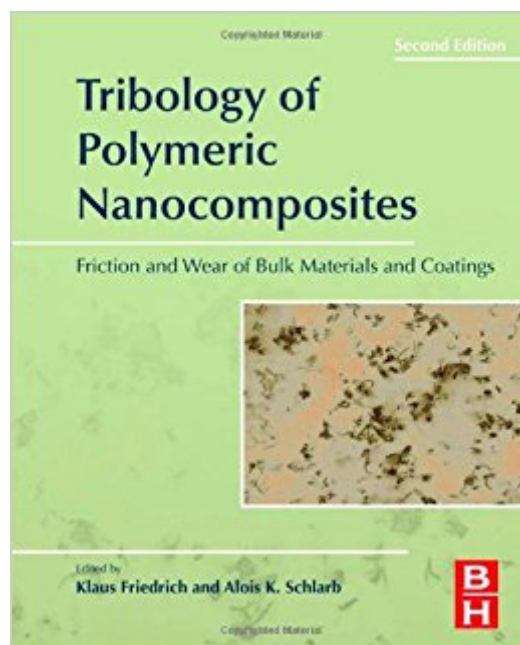




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Tribology Of Polymeric Nanocomposites, Volume 55, Second Edition: Friction And Wear Of Bulk Materials And Coatings (Tribology And Interface Engineering)



Synopsis

Tribology of Polymeric Nanocomposites provides a comprehensive description of polymeric nanocomposites, both as bulk materials and as thin surface coatings, and provides rare, focused coverage of their tribological behavior and potential use in tribological applications. Providing engineers and designers with the preparation techniques, friction and wear mechanisms, property information and evaluation methodology needed to select the right polymeric nanocomposites for the job, this unique book also includes valuable real-world examples of polymeric nanocomposites in action in tribological applications. Provides a complete reference to polymer nanocomposite material use in tribology from preparation through to selection and use. Explains the theory through examples of real-world applications, keeping this high-level topic practical and accessible. Includes contributions from more than 20 international tribology experts to offer broad yet detailed coverage of this fast-moving field.

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"In a single-volume reference on polymers that incorporate nanometer-scale reinforcing agents, chemical and material engineers describe them both as bulk materials and as thin surface coatings, and explore their behavior and potential use in tribological applications."--Reference & Research Book News, October 2013

A practical guide to the tribological qualities and applications of polymeric nanocomposites for engineers and designers. Provides a complete reference to polymer nanocomposite material use in tribology from preparation through to selection and use. Explains the theory through examples of real-world applications, keeping this high-level topic practical and accessible. Includes contributions from more than 20 international tribology experts to offer broad yet detailed coverage of this fast-moving field. Tribology of Polymeric Nanocomposites provides a comprehensive description of polymeric nanocomposites, both as bulk materials and as thin surface coatings, and provides rare, focused coverage of their tribological behavior and potential use in tribological applications. Providing engineers and designers with the preparation techniques, friction and wear mechanisms, property information and evaluation methodology needed to select the right polymeric nanocomposites for the job, this unique book also includes valuable real-world examples of polymeric nanocomposites in action in tribological applications.

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