

The background of the book cover is a high-magnification scanning electron micrograph (SEM) of a polymer nanocomposite. It shows a complex, fibrous, and layered structure with various textures and voids, rendered in shades of blue and white. A dark red horizontal band is positioned across the middle of the cover, containing the title text in a serif font.

**FUNDAMENTALS,
PROPERTIES, *and*
APPLICATIONS
of POLYMER
NANOCOMPOSITES**

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