

Nailing down Teflon Molecules - High Resolution AFM imaging for Polymer Science

Various macroscopic properties of polymers are strongly influenced by packing and conformation of individual macromolecules as well as their monomer composition. Therefore, being able to resolve individual polymer chains in real space is crucial in understanding the overall structure of polymers. In this webinar, we will demonstrate how atomic force microscopy (AFM) can be used to acquire ultra-high-resolution images of individual PTFE-molecules on the semi-crystalline surface of commercial Teflon tape. Both high resolution and high-speed scanning capabilities of Park Systems NX20 AFM will be demonstrated on the real-world polymer sample.

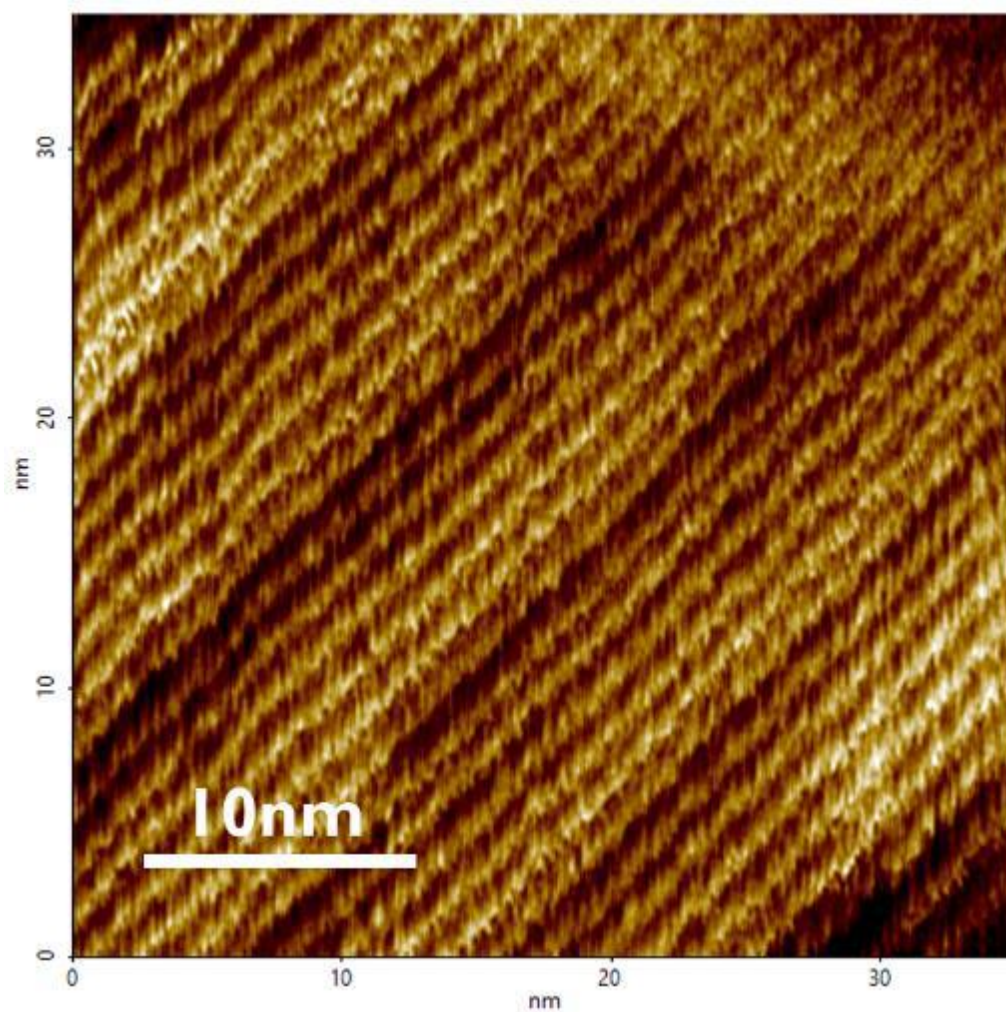


Image capture: Teflon Molecules captured by Park NX20 Large Sample AFM

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