

at constant rotation speed of 50 rotations per minutes (rpm) while the vanadium oxide gel was extruded out of its containing syringe at the 50 mL/h constant low flux. Upon extrusion process completion, the vanadium oxide threads were meticulously taken out of beaker by hand and let to dry in air. Finally the as-synthesized fibers were washed three times in THF/acetone (50 vol %) for a 1 day period and then let to dry in air.

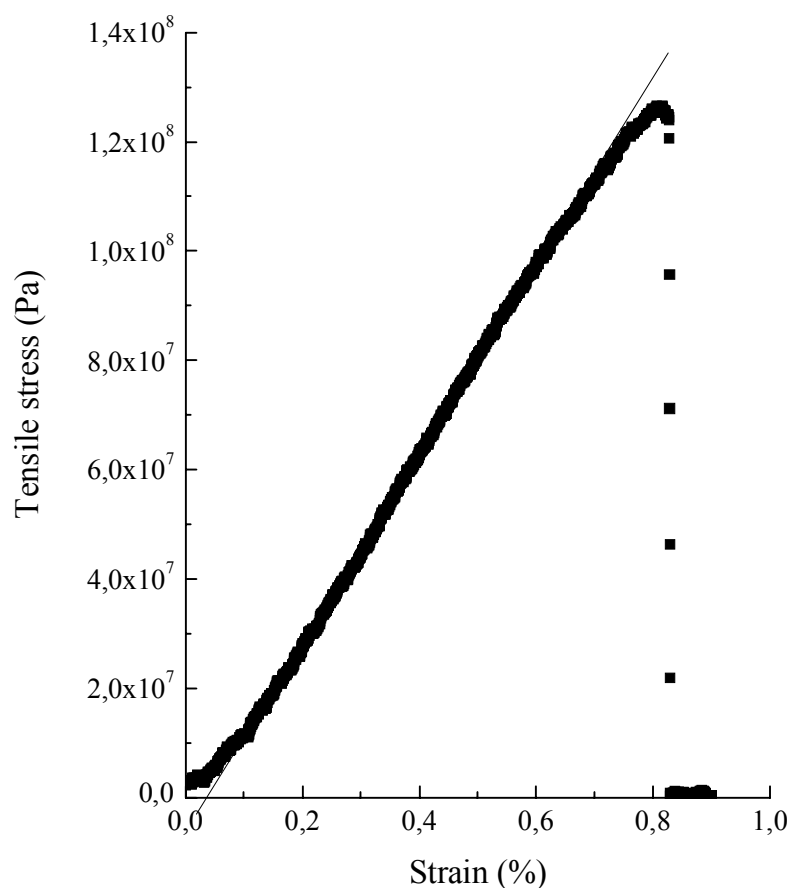


Figure 1 (supplemental). Vanadium oxide fibers mechanical properties. Measurements were performed at a strain rate of 0.5%. min⁻¹. The modulus extracted at low deformation is about 17 Gpa..