

Well-defined Carbon Nanoparticles Prepared from Water-soluble Shell-crosslinked Micelles

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Well-defined carbon nanoparticles were obtained through pyrolysis of shell cross-linked PAA-*b*-PAN micelles prepared by micellization and cross-linking of amphiphilic block copolymers in aqueous systems. One of the particularly important advantages of this approach to the synthesis of nanostructured carbons is the use of covalently stabilized water-soluble (and thus environmentally-friendly) nanostructure precursors. Nanostructured carbons prepared according to this route are expected to find many applications, such as antistatic coatings, materials for field emitters, specialized electrodes, sensors, *etc.*

