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CALEO-Text

 textile & clothing · nanotechnology


Caleo-Text is a textile finishing treatment based on carbon nanoparticles able to confer conductive properties to natural fibers and fabrics. The result is a cotton able to warm more than wool when properly powered.

Carbon nanotubes (CNTs) are compounds made of only carbon atoms with a cylindrical structure composed by a sequence of benzene, having very strong chemical bonds. In the last years, several studies were carried out for the integration of these nanoparticles into different matrices (aqueous and organic dispersions, thermosetting and thermoplastic polymers,...), in order to obtain materials showing incredible mechanical and electrical properties.

Source: gzespace.com

May
20
2009

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