

Method of Producing Carbon Fibers from Multipurpose Commercial Fibers

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Technology Summary

This invention relates to a method for producing carbon containing fibers, in particular carbon fibers from a commercially available commodity fiber that has been developed for multipurpose use. The resultant carbon fiber properties for the process described in this patent can meet or exceed the 400 ksi tensile strength and 40 Msi tensile modulus with at least 1% strain as minimum properties as has been prescribed by some automotive manufacturers to encompass all of their carbon fiber needs. The production costs for the resultant carbon fibers using the methods described in this patent can be less than fifty percent of traditional carbon fiber production methods.

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