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## **Poly Borosiloxanes As Precursors For**

poly(borosiloxanes) (PBS), aiming to use these polymers as precursors of ceramic matrices for the protection of carbon fibers in ceramic matrix composites (CMCs). C/SiOC and C/SiBOC composites were prepared by impregnation of the liquid precursors in unidirectional carbon fiber tows followed by curing, drying and pyrolysis. Results

## **Poly(borosiloxanes) as Precursors for Carbon Fiber Ceramic ...**

Taking into account the above ideas, this work reports the synthesis and thermal characterization of polysiloxanes (PS) and poly (borosiloxanes) (PBS), aiming to use these polymers as precursors of ceramic matrices for the protection of

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carbon fibers in ceramic matrix composites (CMCs). C/SiOC and C/SiBOC composites were prepared by impregnation of the liquid precursors in unidirectional carbon fiber tows followed by curing, drying and pyrolysis.

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## **(PDF) Poly(borosiloxanes) as precursors for carbon fiber ...**

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## **Vinyl-functionalized poly(borosiloxane) as precursor for ...**

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Poly(borosiloxanes) as precursors for carbon fiber ceramic matrix composites  
By Renato Luiz Siqueira, Inez Valéria Pagotto Yoshida, Luiz Claudio Pardini and Marco Antônio Schiavon  
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## **Poly(borosiloxanes) as precursors for carbon fiber ceramic ...**

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## **Preparation and properties of polyborosiloxanes as ...**

Poly(borosiloxanes) as precursors for carbon fiber ceramic matrix composites .  
By Renato Luiz Siqueira, Inez Valéria Pagotto Yoshida, Luiz Claudio Pardini and Marco Antônio Schiavon. Abstract.

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Introduction. The synthesis of multi-component ceramics derived from thermolysis of molecular precursors, which have... 2. Experimental methods. Poly (borosiloxane) networks (PBS) were prepared by two distinct routes, as can be seen ...

## **Novel poly(borosiloxane) precursors to amorphous SiBCO ...**

Taking in account the above ideas, this work reports the synthesis and thermal characterization of polysiloxanes (PS) and poly(borosiloxanes) (PBS), aiming the use of these polymers as precursors of ceramic matrix for protection of carbon fibers in ceramic matrix composites (CMC).

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## **Synthesis of Structure-Controlled Polyborosiloxanes and ...**

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## **The Protective Role of Poly(Borosiloxanes)-Derived ...**

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## **MARCO ANTONIO SCHIAVON - Google Scholar**

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