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Sustainable Automotive components for interior parts

By Nuno Calçada Loureiro

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In the last few years, biomaterials have been a target of
interest at scientific, technological research and industrial
level. The increasing of the environmental concern and the
excessive use of petrol resources have conducted to the
development of new biocomposites which will achieve a great
importance into the future. It's a fact that, allied to weight
reduction, the automotive industry can benefit from the
inclusion of these materials in cars, not only because of the
installed fear of decline and extinction of oil reserves, but also
because of the strong legislation that forces an increasing
incorporation of these materials in automobiles. This topic
presents a big potential because it seeks to find solutions for a
sustainable development with environmental concerns in order
to be able to obtain biodegradable solutions for the interior
door trims. This book presents a study for replacing the petrol-
base polymers used in interior trims for a biocomposite made
of a Poly(Lactic Acid) and Polyhydroxyalkanoate (PLA/PHA)
thermoplastic matrix reinforced with cellulosic fibers without
changing the common technological used process - Injection
moulding. 120 pp. Englisch.



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Reviews

An extremely wonderful book with lucid and perfect information. It is one of the most awesome publications I have read. Your life period will probably be enhanced the instant you total looking at this pdf.

-- Prof. Dan Windler MD

It is really an amazing publication I actually have at any time read. It is really simplistic but unexpected situations inside the 50 percent of your pdf. It's been written in an exceptionally simple way in fact it is just right after I finished reading this ebook where actually transformed me, alter the way I really believe.

-- Dr. Celestino Spinka III