



KESTREL HOOD

What will the Kestrel Hood be used for?

Using bio-based composites, this hood has been designed for use on the Kestrel electric hybrid vehicle. The hood has been analysed to withstand aerodynamic, pushing, bending, and torsional loads while minimizing weight.

What is it made from?

Developed by the Composites Innovation Centre, in cooperation with Motive Industries, the Kestrel Hood has been partially constructed using hemp, flax, and agave fibres combined with soy based foam.

What are the next steps?

Development activities are underway so that future Kestrel Hoods will be made entirely from bio-based materials. The widespread application of these materials would reduce reliance on petroleum-based materials while using a sustainable alternative, decreasing the overall carbon footprint of automotive manufacturing.

Funding for this project was provided by Agriculture and Agri-Food Canada under the Developing Innovative Agri-Products program.



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