

Araldite 2011 bonds record beating eco-car

Description

The **TIM 05** demonstrates the possibilities of making a vehicle using environmentally sustainable components, weighing just 27kg and running on bio-ethanol fuel. The body is made of a sandwich of polystyrene and silk reinforced with carbon, and the chassis is made from unidirectional carbon and foam laminate. [Araldite 2011](#), a two component epoxy adhesive, was used to bond many details on the vehicle.

In the Shell Eco-marathon 2010, the TIM 05 was awarded the Technical Innovation prize and as a result of covering 3350km per litre of fuel, set a world record for a vehicle running on bio-ethanol.



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