



17 per cent of the Conti GreenConcept is made from recycled material such as processed steel, carbon black and PET bottles. | Photo source [Continental](#)

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ECO-FRIENDLY TYRE MADE FROM SUSTAINABLE AND RECYCLED MATERIALS

 MOBILITY & TRANSPORT

Ingredients include natural rubber made from dandelions, silicate from the ash of rice husks, and vegetable oils and resins, making it significantly lighter than conventional tyres

Spotted: German multinational automotive parts manufacturing company, Continental, has designed an eco-friendly tyre made from sustainable materials, including natural rubber made from dandelions, silicate from the ash of rice husks, and vegetable oils and resins.

The tyre which is being exhibited at the IAA Mobility Summit in Munich is made from 50 per cent sustainable raw materials, with an additional 35 per cent based on bio-materials, making the product both more suitable and also lighter. It weighs just 7.5 kilograms, 40 per cent less than the standard tyre.

In addition, 17 per cent of the Conti GreenConcept is made from recycled material such as processed steel, carbon black and PET bottles.

Together, all of this results in significantly lower rolling resistance, around 25 per cent lower than that of a tyre with class A rolling resistance. Lower rolling resistance in turn makes the vehicle consume less energy and can extend the range of EVs by up to 6 per cent. Moreover, because the tyre is made from Taraxagum natural rubber, the tread compound can be replaced several times, conserving both materials and money.

Continental aims to convert its entire tyre production to sustainable materials by 2050 and thus achieve full climate neutrality throughout all of its supply chains.

Explore more: Sustainability

19th October 2021

Website: [continental.com](https://www.continental.com)

Contact: [continental.com/contact](https://www.continental.com/contact)

Takeaway:

Continental's new tire is an important milestone on the road to becoming fully carbon neutral. Around **80 per cent** of the whole-life CO2 emissions of a car tyre result from its use. This is why designing low rolling resistance tyres such as Continental's is highly valuable. Moreover, it is estimated that every year an additional 2 million tonnes of CO2 emissions result from fitting replacement tyres with higher rolling resistance than the original equipment.