

AMCASH case study

New products from recycled bicycle tyres and inner tubes



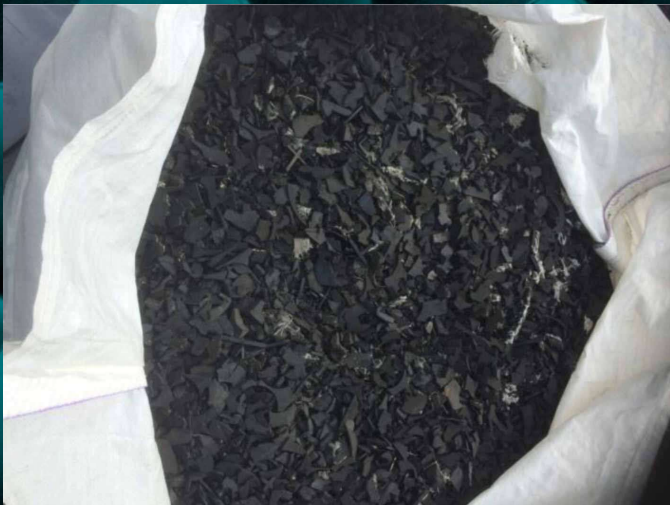
SUSTAINABLE CYCLING

Velorim shreds and granulates used tyres and inner tubes to separate them into rubber, steel and fibre – which can be utilised to form new products such as flooring, construction materials and insulation.

The Challenge

Velorim wanted to deepen their understanding of the nature and potential of this valuable waste stream and to test possible products.

New products from recycled bicycle tyres and inner tubes



'The materials testing and analysis support we received has enabled us to identify suitable business partners with appropriate technology to process these waste streams, refine our processing systems and provide the business collateral necessary to market the end products.'

Russ Taylor, Managing Director, Velorim



What AMCASH did

Chemical analysis of tyres and inner tubes to identify commonly used rubbers and fibres.

Determined the properties of mats produced from the recycled material to compare processing techniques; and generate data sheets.

Outcomes

AMCASH has helped *Velorim* to develop a range of products – *Velo-Butylene*[™], *Velo-SBR*[™], *Velo-Fibre*[™] from recycled bicycle tyres and inner tubes.

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