

Q-CYCLE® BY FULGAR



The new sustainable Q-Cycle® yarn is the result of the interaction between BASF's ChemCycling™ recycling project and Fulgar's textile skills and experience.

INTELLIGENT MATERIALS FOR THE FUTURE OF TEXTILE

Q-CYCLE® by Fulgar

A new way of making yarns

ChemCycling™ makes it possible to replace fossil raw materials at the beginning of the value chain with chemically recycled raw materials. The materials that are produced in this way have the same properties as conventional ones. The process is carried out and evaluated on the basis of a mass balance approach.

The result is Q-CYCLE®, an innovative polyamide 6.6. The raw material required for its production was replaced by pyrolysis oil from chemically recycled scrap tires and attributed to the final product using a mass balance approach. It offers the same functional and aesthetic benefits of lightness, strength and resistance but in a greener form. It can be used to produce high quality fabrics and is the ideal solution for all textile applications – it can be processed with ease like a normal polyamide, so it combines with all fibres.



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BASF
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A NEW SUSTAINABLE TECHNOLOGY THE FUTURE OF NYLON 6.6

The technology can be applied to all plastic waste that cannot be mechanically recycled, like tires. Fulgar has decided to use this new material, as it is widely present and is usually incinerated, resulting in significant CO₂ emissions.

More
information

