

Twaron® Eco-datasheet

Filament Yarn and Pulp

Overview of our products environmental profile



1. Carbon footprint

The Global Warming Potential of our product Twaron Filament Yarn and Pulp are as following

Twaron® filament yarn	8.7	kg CO ₂ -eq/kg
Twaron® pulp	8.8	kg CO ₂ -eq/kg

Climate change (total) [kg CO₂ eq/kg] based on PEF version 2.0. These values have been calculated according to [ISO standards 14040/44](#) based on a cradle-to-factory-gate approach (including raw materials, the transportation of raw materials, the energy and water use during production, and the emissions and the disposal of waste from the production). The eco-profile report has been independently peer-reviewed by a third party. Other impact categories are available on request.



2. Recyclability

Twaron® is 100% recyclable. Teijin is actively looking for partners that can help to close the loop by retrieving and recycling as much end of life material as possible.



3. Compliance with chemicals regulation

Twaron® filament yarn and pulp comply with REACH regulation and the RoHS Directive.



4. Sustainability standards and assessments

Teijin Aramid complies with the following sustainability standards:

- > ISO 14001
- > ISO 45001
- > Oekotex standard 100
- > Energy efficiency standards for the Netherlands, as defined by the Dutch Government (in line with ISO standard 50001)



Teijin Aramid has been awarded **EcoVadis 'Gold Partner' certification** following the most recent Sustainability Assessment.



5. Emissions data from manufacturing locations

We aim to minimize environmental emissions across all Teijin Aramid production locations, and we remain well within the legally permitted levels for emissions year to year. We report on our emissions related to Twaron® production in detail in our [Sustainability Report](#).

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