

DECLARATION



Environmental Footprint

QCP™ PE and PP products are being produced in QCP's production plant in Geleen, the Netherlands and based on Post-Consumer packaging Waste.

In QCP's integrated and automated production process pre-sorted Post-Consumer packaging Waste is transformed in PE and PP resins using an extensive preparation, cleaning (including hot wash reactors) and extrusion/compounding process. The hot wash and drying process are CO₂ neutral due to the use of high pressure steam; a waste product of the petrochemical industry on the Chemelot Industrial Park.

Based on LCA calculations we hereby declare that QCP™ PE and PP products generate a CO₂ emission of 0.5 kg/kg material whereas virgin PE and PP generate a CO₂ emission of 1.97 kg/kg PE and 1.93 kg/kg PP.

This results in a CO₂ reduction of 75% for QCP™ PE and 74% for QCP™ PP products¹ compared to virgin resins.

The Eco Indicator (total environmental impact) score for QCP™ PE and PP products¹ is 48.9 mPT/kg compared to 268 mPT/kg for virgin resins.

This results in an Eco Indicator savings of 82% for QCP™ PE and PP products¹ compared to virgin resins.

These values have been calculated conform ISO 14040/14044 considering that:

- the comparison is between the consumption data of QCP and the industry average in Europa,
- it only concerns the raw materials used to produce the resins excluding the use and end-of-life phase.

This declaration applies to the QCP™ products as such and does not cover any additives, pigments, etc., added by the converter.

On behalf of QCP BV,

A handwritten signature in black ink, appearing to read 'François Essers', is written over a large, faint circular watermark.

François Essers
Innovation Manager

Disclaimer

"No warranty is given and no representation is made by Seller, whether express or implied, as to the usefulness, sufficiency, merchantability or fitness for any purpose whatsoever of the goods supplied, unless explicitly given respectively made in writing. The correctness of information provided by Seller regarding the quality, composition or possible applications of the goods is warranted only if such warranty is explicitly stated in the sales agreement. Seller's liability shall not exceed the net sales price of the goods concerned. In no event shall Seller's liability include indirect or consequential damages."

¹ All data are based on unmodified products. Modified products result in a CO₂ reduction of at least 50%.