



100% Recycled



100% Recyclable



Carbon Neutral

The Formavoid Carbon Neutral Polymer combines **100% recycled polypropylene** with a bio-based climate positive additive (CPA), generating enough carbon offset to make the raw material blend at least **carbon neutral**.

## PROPERTIES

Material Composition	95% Mineral Reinforced Recycled Polypropylene, 5% CPA
Colour	Black
Tensile Strength	22-26MPa
E-modulus	1250-1350MPa
Charpy Notched Impact	>6KJ/m <sup>2</sup>

## Bio-Based Climate Positive Additive (CPA)

CPA uses unsorted, residual municipal waste as its primary feedstock, diverting it from high-emission landfill. Robust close-loop technology valorises municipal waste and converts it into safe, durable and recyclable thermoplastic feedstock.

1kg CPA = -11.7kg/CO<sub>2</sub>eq (GWP20)

Figures calculated using UNFCCC methodology in conjunction with IPCC data.



ZERO  
WATER  
CONSUMPTION



ZERO  
PRODUCTION  
WASTE



ZERO  
EFFLUENTS



ZERO  
COMBUSTION



ZERO  
HAZARDOUS  
FUMES



Results reviewed  
and validated by

**Quantis**

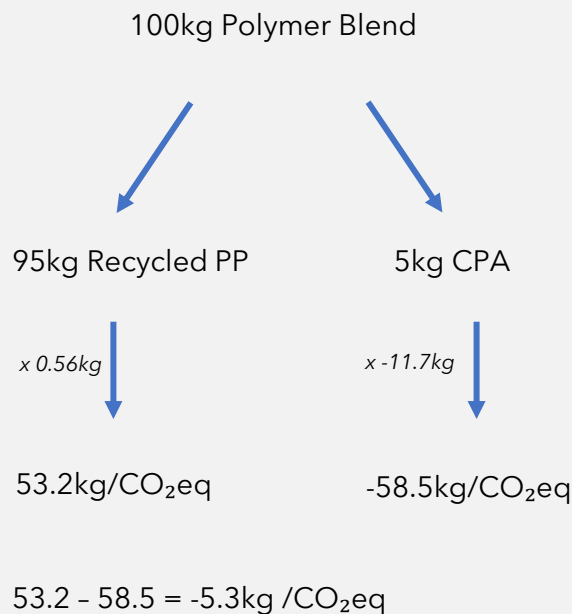
### Carbon Neutral Worked Example

Given: 1kg CPA = -11.7kg/CO<sub>2</sub>eq (GWP20)

Figures calculated using UNFCCC methodology in conjunction with IPCC data.

Assuming: 1kg Recycled PP = 0.56kg/CO<sub>2</sub>eq

Figures calculated based on recycled PP having 80% less carbon emissions than virgin PP.



Based on the above worked example, and to the best of our knowledge, it can be assumed the polymer blend has a negative carbon effect and therefore is at least carbon neutral.

The above calculations are for illustrative purposes only. Calculations may not be an exact representation and are not intended to be relied upon. A typical carbon value for recycled polypropylene has been assumed.

