



The world's first carbon negative material made from coffee grounds.

AirX is a plant-based polypropylene helping to achieve global net-zero target with 3 things:

- 1) Carbon-negative enough to solve for climate;
- 2) Flexible enough to transform many industries;
- 3) Economically sustainable.

## Decarbonizing Platform Technology

- Sustainably harvested feedstocks can convert naturally captured carbon into useable products.
- Replacing oil as the foundational feedstock for the materials economy.
- Enabling the circular economy through high rates of recycling.

## Benefits to Partners

- Enabling customers' net zero commitments.
- Increasing product value and pricing.
- Sustainable economy through supply chain maintenance.
- Complying with increasing regulation of plastic life cycle.
- Showing the brand's green credentials.
- Fulfilling the customers' desire for eco-friendly consumption.
- Competitive price to other traditional types of plastic.
- Reducing business's carbon footprint.

We are TUV, SGS, and Eurofins certified. We deliver transformational know-how through mature, industry standard equipment, materials, and technical processes. We have talented R&D team creating high value and green specialty polymer compounds.

## What is carbon negative PP?

Coffee and trees capture CO<sub>2</sub> through photosynthesis and package it up as cellulose. It's the original carbon-capture technology.

## Why carbon negative PP?

Make net zero possible

Accelerate ESG and sustainability goals

100% Recyclable

## AirX

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MAKES #NETZERO POSSIBLE

The world's first carbon negative bio-materials made from coffee.

AirX is a certified bio-based material sourced from agricultural by-products.

AirX's mission is to enable the world's transition to sustainable materials.

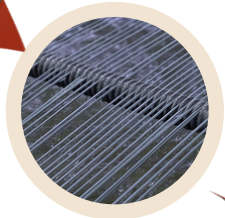


## Product Creation Cycle

1. Coffee grounds collection from coffee chains/ Hotel/ Factory



2. Compounding process with recycled Polypropylene



We transform biomass based by-product from coffee grounds into sustainable and durable bioplastics.



4. Various Injection Molded Parts



3. Coffee-based Polypropylene material

## Product Facts:

- Carbon negative.
- Suitable for injection molding application.
- Suitable for conventional processing equipments with easy integration.
- Can be used in food contact applications.
- Can be used as master-batch degradable solutions.

## Potential Applications:

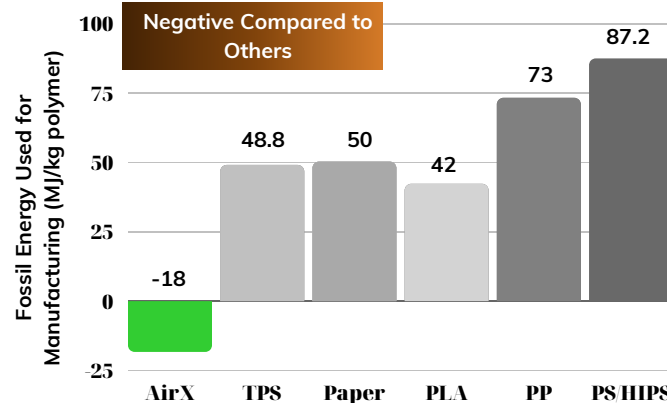
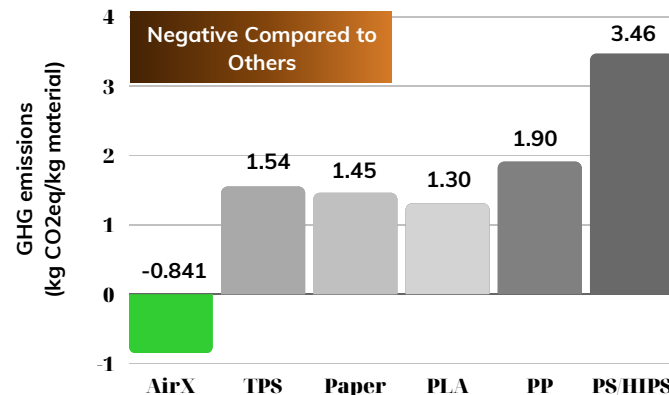
- Packaging: Food container.
- Consumer Electronics applications.
- Consumer goods: Office Stationery, toy, household items, tableware, garden tools, furnitures
- Building & Construction: Pipes and Fittings, roofing, structural Components.
- Automotive: Interior trims, exterior parts, under the hood.

## Made from Non-food Crops Feedstock

Besides coffee grounds, AirX also produces bioplastics from a variety of other agricultural by-products such as sugar bagasse, bamboo, rice husk, all of which are not derived from food crops, helping to:  
No deforestation or land clearing.  
Non-competitive with food.



Bio-Plastics products provide unlimited saving to fossil resources and reduce greenhouse gases emissions.



## AirX Product Range

Bio-based Polypropylene (20% - 80%)

- Bio-PP General Purpose Grade
- Bio-PP Food Contact Grade
- Bio-PP High Flow Grade
- Bio-PP Masterbatch Grade
- Bio-PP Non Woven

## Regulation and Certification

BIO BASED	Certified
CARBON NEGATIVE MATERIAL	Certified
BPA FREE	Certified
FOOD SAFETY	Certified
MICROWAVE & DISHWASHER	Certified
LIFE CYCLE ASSESSMENT	Certified
USDA	Applying
ROHS	Applying

AirX is applying for USDA certified Biobased material and will be listed in USDA BioPreferred Catalogue.



Embrace the circular economy with AirX's carbon negative materials.