

POLY MAILER CARBON FOOTPRINT STUDY

Impak Retail partnered with University of Texas at Dallas (UTD) to conduct a study on the emissions impact of poly mailers produced offshore. Their findings resulted in over **234% to 353% more emissions for India and China based production.**

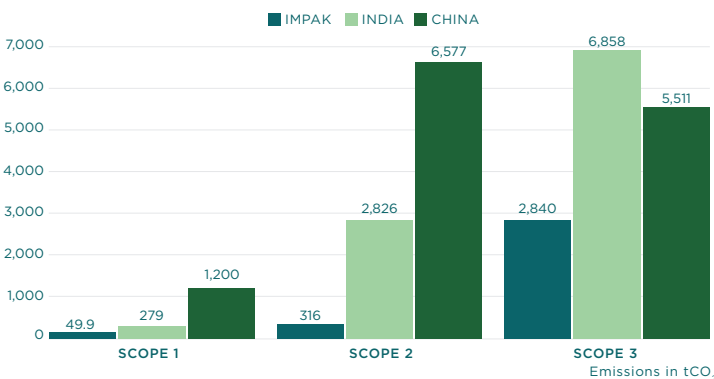
UTD leveraged Normative.io, a leading carbon accounting software, as well as Scope3 Analyzer Software, to evaluate results. The Normative.io calculation methodology is informed by leading climate experts and aligned with international standards like the Greenhouse Gas Protocol. The calculations are bolstered with tens of thousands of emissions factors, millions of industry data points, and a robust and flexible technology infrastructure.

The emissions estimates for Scope 1, Scope 2 and Scope 3 cover the respective areas:

- Scope 1:** Direct emissions that the company generates while performing business activities.
- Scope 2:** Emissions from purchased and consumed energy.
- Scope 3:** Indirect emissions within the value chain not accounted for in Scope 2.

Further breaking down the numbers, we find that by partnering with Impak for poly mailer production a company can save the emissions equivalent of 70-100 cars driven **over an entire year** per 40ft shipping container!

Comparitive Differences Between Scope 1, Scope 2 & Scope 3 Emissions



Summary

A retailer importing just 5 containers of poly mailers per year from Asia can reduce their carbon footprint by as much as 1,112 tCO₂ by onshoring with Impak. This is the equivalent to the average annual emissions of 555 automobiles.



Emissions Savings Equivalent

Number Of Cars And Their Yearly Emissions

Total Emissions Savings Per 40ft Container Impak vs India

147.36 tCO₂ or the yearly emission of 74 cars



Total Emissions Savings Per 40ft Container Impak vs China

222.4 tCO₂ or the yearly emission of 111 cars



As sustainable procurement standards continue to rise, consider Impak for recycled content, recyclable and low-carbon-footprint poly mailers.

We welcome all to review the full report at <https://impakretail.com/sustainability/>