

LESS PACKAGING. MORE RESPONSIBILITY.

SUSTAINABILITY WITH SYSTEM.

With clip packaging, manufacturers significantly reduce material usage and CO₂ emissions while maintaining the quality of their products. Every package contributes to more efficient processes and helps companies take responsibility for the environment and natural resources.

Poly-clip System provides solutions that are efficient, resource-saving, and forward-looking. This makes packaging an instrument for sustainable action and innovation across all industries.

Poly-clip System

The packaging company with less packaging



Efficient & Sustainable



Innovative & Future-oriented

INDEPENDENT SUSTAINABILITY STUDY

All CO₂ values and material proportions are based on a holistic sustainability assessment of end packaging, conducted by the independent institute Circular Analytics, Vienna.

The study was commissioned by Poly-clip System GmbH & Co. KG. The assessment was based on production and disposal assumed to take place in Germany.

OUR PACKAGING SOLUTIONS:

SUSTAINABLE. EFFICIENT. FUTURE-ORIENTED.

Taking responsibility means creating added value with every solution – for customers, the environment, and future generations. Our clip-packaging solutions measurably reduce material usage and CO₂ emissions without compromising product protection, safety, or quality.

Compared to conventional packaging such as cans, cartridges, or thermoformed trays, our solutions **reduce CO₂ emissions by up to 90 %** and require **only 1–2 % packaging material**, whereas alternatives can reach up to 35%. This conserves resources and optimizes storage capacity.

Our solutions can be used across a wide range of industries: from pet food, sausage products, and dairy items to ready meals, adhesives, and even fruit and vegetables. They stand for maximum efficiency with a minimal ecological footprint and enable sustainable business practices along the entire value chain.



less CO₂ emissions



lower material usage



technical recyclability

Minced meat – less emission, more efficiency

EPS trays dominate the retail sector but have a significant climate impact. Clip-packaging generates up to ten times less CO₂ and re-

quires only 0.9 % packaging material. The lower weight benefits both economic efficiency and the environment.



clip-pak®



18,47 g



0,89 %



93,54 %



Flowpack



30,1 g



1,52 %



89,67 %



EPS tray
with top film



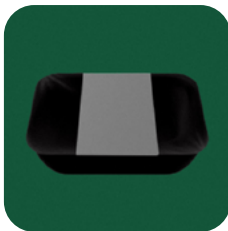
192,8 g



5,7 %



0,0 %



EPS tray
with top film black



145,4 g



5,7 %



0,0 %



CO₂ emissions (in g)



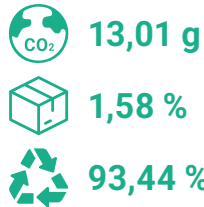
Packaging efficiency (in %)



Technical recyclability (in %)

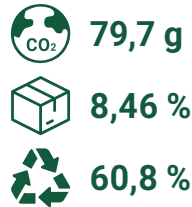


clip-pak®



Thermoformed tray

with snap-on lid and film



Spreadable sausage – efficiently packaged, sustainably designed

Thermoformed trays are widely used in the processed meat sector, but they cause high CO₂ emissions and require large amounts of material.

With clip-packaging, greenhouse gas emissions are reduced by a factor of six, and material usage drops to just 1.6%. Extrapolated to the German market, this corresponds to annual savings of 22,133 tonnes of CO₂ for sliced sausages and 4,427 tonnes of CO₂ for spreadable sausages.¹

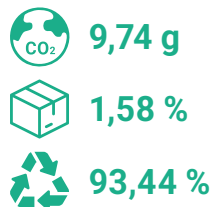
¹ Fraunhofer UMSICHT, Study commissioned by Poly-clip System, 2019

Sliced sausage – significantly lower CO₂

Thermoformed trays with top film cause considerably higher CO₂ emissions than our clip-packaging solutions. With clip-pak®, manufacturers can reduce CO₂ emissions by around 50 % compared to conventional packaging. At the same time, the material share of clip-packaging is just 1.58 %. This packaging efficiency means reduced material consumption, lower transport weight, and a truly sustainable solution all around.

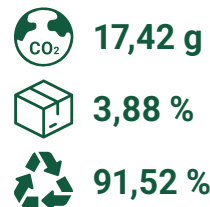


clip-pak®



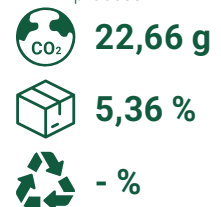
Thermoformed tray

with top film

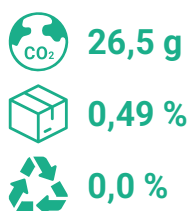


Thermoformed tray

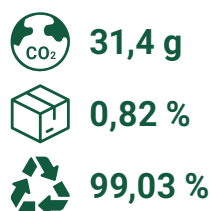
Combined packaging process



net-pak®

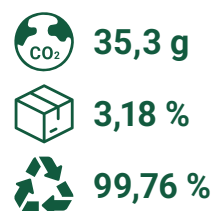


Plastic film



Plastic tray

with top film



Fruit & vegetables – naturally protected, sustainably packaged

Even in the fresh produce segment, packaging efficiency plays a crucial role. Clip-packaging reduces CO₂ emissions by up to 25 % while using only 0.5 % packaging material. Products stay fresh, transport is lighter and sustainability becomes visible.



CO₂ emissions (in g)



Packaging efficiency (in %)



Technical recyclability (in %)

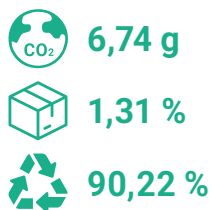
Dairy products – light, safe, resource-efficient

For products such as herb butter, cream cheese, or dessert preparations, clip-packaging offers a climate-friendly alternative to traditional tubes or thermoformed trays. It reduces CO₂ emissions

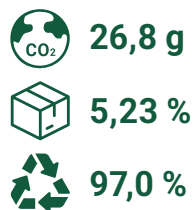
by a factor of 13 and use only 1.3 % packaging material, while plastic tubes require up to 13.7 %. This makes Poly-clip a measurable contributor to resource conservation.



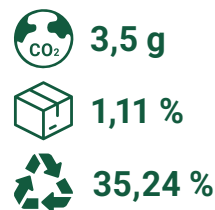
clip-pak®



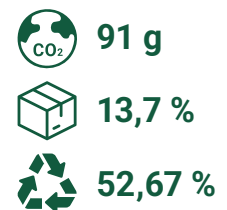
Thermoformed plastic tray



Composite film
(portion pack)



Plastic tube



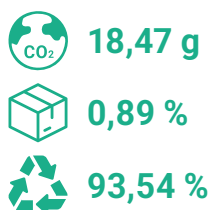
Ready meals – sustainable enjoyment

Ready meals are popular, but glass jars, cans, and cups add weight, energy consumption, and high material usage. Clip-packaging reduces the CO₂ footprint by a factor of 17 and requires

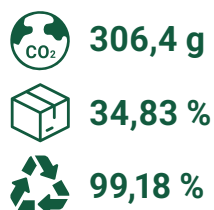
less than 1 % packaging material. A solution that makes modern convenience products more sustainable – from production to consumption.



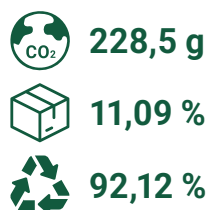
clip-pak®



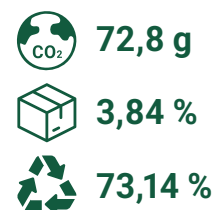
Glass jar
with aluminum lid



Tinplate can



Plastic cup



CO₂ emissions (in g)



Packaging efficiency (in %)



Technical recyclability (in %)

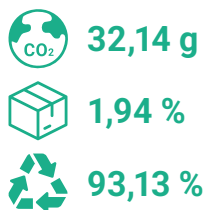
Pet food – sustainability down to the last detail

Whether wet food or pasty snacks, clip-packaging reduces CO₂ emissions by a factor of 15 compared to multilayer packaging. With only 2 % packaging material, up to 90 % less material is

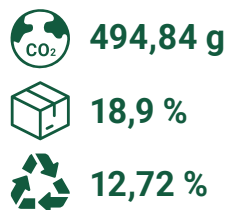
required. The result: lower energy consumption, reduced transport weight, and a fully efficient packaging solution.



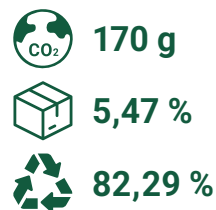
clip-pak®



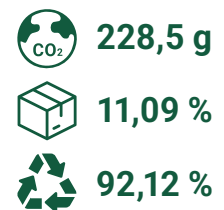
Multilayer composite



Aluminum tray



Tinplate can



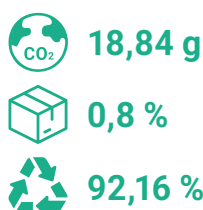
Sealants & adhesives – efficient packaging for industry and trade

In the construction, chemical, and craft industries, cartridges and tubes are the standard – yet heavy and energy-intensive. With clip-pak®, packaging becomes significantly more efficient: 23 times less CO₂ compared to conventional plastic, and only 0.8 % packaging material. This saves resources while en-

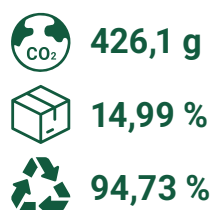
suring high functionality during processing. Our clip-tube® ideally complements these solutions – offering easy handling, versatile applications, and smoother processing, especially where flexibility and user-friendliness are key.



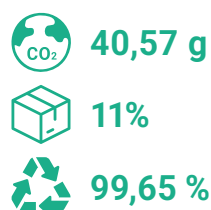
clip-pak®



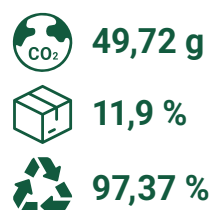
Plastic cartridge



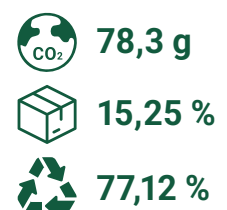
clip-tube®



Plastic tube



Aluminum tube



CO₂ emissions (in g)



Packaging efficiency (in %)



Technical recyclability (in %)