

# Logypal 1 Product Data Sheet

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## Overview

The Logypal 1 is Relicyc's flagship pallet, manufactured from 100% post-consumer recycled plastic, primarily sourced from end-of-life agricultural packaging (silage film) and industrial packaging waste. It is designed as a direct drop-in replacement for standard EUR wood pallets (1200 × 800 mm).

## Internal LCA Results (2020, non-verified)

The following results are from an internal lifecycle assessment conducted by Relicyc in 2020 using the SimaPro software and the ecoinvent 3.6 database. The study followed ISO 14044 methodology. Functional unit: 1 pallet over a 50-trip expected lifetime.

Environmental Impact	Logypal 1	Conventional Wood Pallet	Virgin Plastic Pallet
GWP (kg CO <sub>2</sub> e/pallet)	4.1	5.8	8.9
Primary energy use (MJ)	68	72	130
Water use (litres)	42	180	38
Eutrophication (g PO <sub>4</sub> e)	12	18	9
Waste generated (kg)	0.8	1.4	0.6

These figures were not independently verified at time of publication.

Allocation method: mass allocation.

End-of-life: closed-loop recycling assumed.

## Material Composition (2021)

- Body: 100% post-consumer recycled HDPE (claimed, not independently audited)
- No virgin plastic content (claimed)
- Pigments: carbon black masterbatch

## Certifications (2021)

None held at time of publication. EPD in planning.