

Carry Handle and PPWR

Can you reduce packaging without reducing convenience?

A lightweight transport-handle system supporting packaging optimization in line with the direction of PPWR.

Carry Handle is a self-adhesive transport-handle system designed for logistics, retail, e-commerce and production applications.

The solution was designed to support:

- improved transport ergonomics
- reduction of additional packaging elements
- optimization of packing processes
- modern packaging-reduction strategies

The product is available as:

- SOLO — individual handles for manual application
- ON ROLL — a solution for serial, semi-automatic and automatic application

PPWR / Sustainability Note

Carry Handle SOLO and ON ROLL transport-handle solutions have been designed in line with the direction of modern packaging optimization and may support strategies for:

- reducing secondary packaging
- reducing overpackaging
- improving transport ergonomics
- material optimization of packaging systems

The final recyclability assessment depends on the complete packaging system and local recycling infrastructure.

Material concept — Carry Handle ON ROLL

Carry Handle ON ROLL is a lightweight and functional transport solution designed for serial, semi-automatic and automatic application and for optimizing packing processes.

Concept based mainly on PP

- carrier layer: MOPP
- handle zone: PP
- functional components: PP-based
- adhesive system: hot melt PSA

This approach supports simplified packaging construction, reduced mixing of different materials and a modern packaging-design direction aligned with PPWR assumptions.

Parameter	Value
Base material	PP / MOPP
Adhesive type	Hot melt PSA
Adhesive base	Synthetic rubber
Standard widths	24 / 36 / 48 mm
Standard lengths	500-1000 mm
Grip zone	100-150 mm
Separation	Perforation
Application	Manual / semi-automatic / automatic
Moisture resistance	Yes
PVC-free product	Yes
Print	CMYK / branding / QR / variable data
Load capacity	Up to 50 kg
Breaking force	100 kg+

Material concept — Carry Handle SOLO

Carry Handle SOLO is a lightweight and durable transport solution designed for manual application without devices or applicators.

Construction concept

- PET polyester film
- hot melt PSA adhesive system
- integrated non-adhesive grip zone for carrying and brand communication
- full CMYK print and personalization options

The solution focuses on:

- reducing the weight of additional transport elements
- improving end-user ergonomics
- reducing auxiliary packaging where appropriate
- high mechanical strength with low product weight

Functional properties

- high stretch resistance
- very good adhesion to cardboard, film and plastics
- fast adhesive bonding
- moisture resistance
- PVC-free product
- application without additional devices
- compatible with modern packaging-optimization strategies