



Sustainable Medical Packaging Solutions



**GREEN
IS THE
NEW
BLACK**

#wecontribute

Material Reduction

The efficient use of raw materials and waste prevention form the basis of our innovative flexible packaging solutions. We are able to produce flexible thermoforming films that are thinner than conventional films with our state of the art coextrusion technology.



A

FITFORM®

Fitform® is a modern flexible multilayer bottom film.

With its optimal performance it is sustainable and cost effective option by downgauging.

► **Produced using our state of the art coextrusion technology**

- Less energy consumption + higher output

► **Sustainable and cost-effective by downgauging**

- More materials per reel, less roll changes, saving in transportation and storage cost



TECHNICAL DETAILS:

- ▶ Available in multiple thicknesses (50-250 μm)
- ▶ 11 layers create optimal performance with excellent clarity
- ▶ Sealable and peelable with gas papers and webs with peel layer
- ▶ For all common horizontal FFS machines

Reduced
Material
Consumption



Reduced
Storage Costs



Reduced Carbon
Emissions



www.wiicare.com/sustainability



Recyclable Solutions

Besides material reduction, the focus has to be on recycling. The EU Plastics Strategy published the goal to reach 100% re-usable or recyclable plastic packaging by 2030.

Can plastic packaging be recycled even if it is multi-layer/ multi-material? What are the sustainable packaging solutions and how to recycle those?

Whilst there are no easy answers, there are a number of opportunities and innovations across the value chain that in time and with collaboration will provide sustainable solutions to complex problems.



B

PPP

C

OPP

D

ML PE

E

WINDOWBAG G2

PPP is a recyclable fully polypropylene based multilayer bottom film. It is economical option for several applications.

- ▶ Coextruded pure PP bottom web regarded as a monomaterial
- ▶ Recyclable solution

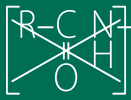
TECHNICAL DETAILS:

- ▶ Available in 80, 100, 150 μm as a standard, other thicknesses on request
- ▶ Sealable with steam papers for steam sterilization e.g. for woundcare
- ▶ For tearable OW applications with OPP if oxygen barrier is not needed
- ▶ For all common horizontal FFS machines

Recyclable



PA-free





OPP

OPP is a recyclable fully PP based tearable web to be used in overwrap applications.

- ▶ Pure polypropylene based laminate
- ▶ Monomaterial solution
- ▶ Suitable for recycling within the PP-material stream
- ▶ Recyclable solution

TECHNICAL DETAILS:

- ▶ Available in 90 μm as a standard, other thicknesses on request
- ▶ Sealable with steam papers for steam sterilization
- ▶ For tearable OW applications with PPP if oxygen barrier is not needed
- ▶ For all common horizontal FFS machines

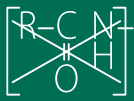
Solvent-free
Laminates



Recyclable



PA-free





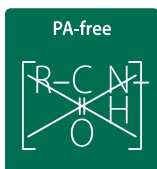
ML PE

ML PE is a polyolefin based multilayer bottom film for lightweight disposables.

- ▶ PE/PP based material
- ▶ Mechanical recycling within the polyolefin recycling stream (Germany only)

TECHNICAL DETAILS:

- ▶ Available in 100, 120 μm as a standard, other thicknesses on request
- ▶ Sealable and peelable with wide range of uncoated and coated papers
- ▶ For all common horizontal FFS machines for EO sterilization



E

WINDOWBAG G2

Windowbag G2 is a new generation header bag utilizing PE based materials with wide peelable film-to-film window for aseptic presentation.

- ▶ PE based webs regarded as monomaterial
- ▶ Uncoated Tyvek® (HDPE)

TECHNICAL DETAILS:

- ▶ No contamination risks of coatings
- ▶ Fibre free clean peeling
- ▶ Non peelable top seal prevents seal breakage during packing
- ▶ Excellent breathability of the uncoated Tyvek® compared to traditional coated ones

Recyclable



PA-free



Tyvek® is a registered trademark of DuPont™.

Strategy agency
Our **Promises** to

The most sustainable flexi

- with a promise to reduce our carbon fo



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da until 2024 all Stakeholders

ble packaging company

ootprint to ZERO



Zero Harm

We aim to achieve **Zero Harm**, believing that every safety incident is preventable. We ensure the well-being of our entire workforce and our partners.



Sustainability

We promise that we will become the **most sustainable** flexible packaging company **on earth**. We will work towards **CO₂ neutrality** by reducing material use, using sustainable raw materials, creating sustainable concepts and using only sustainable energy for our production.



Innovation with customers and end-users

We promise to **innovate together** with both **customers** and **end users**. Rather than conventional packaging, we promise to create cutting edge solutions that tell our **customers' story**.

We are much more than your film supplier. **We contribute.**



People

Our **people** are the **key** to our ambitious agenda and we promise to support them in **unfolding their full potential**. We promise to **work together** as a **team** with all stakeholders, suppliers and customers alike.



Wipak's and Winpak's healthcare businesses are now known as Wiicare. They form a unified, global, compelling and agile organization to become the most sought-after supplier of healthcare packaging.

Wipak and Winpak are both part of a global Wihuri Packaging group with eleven manufacturing facilities in Europe and Asia, and twelve manufacturing facilities in North America and Mexico.

For further information, please contact:
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