



# Sustainable Packaging Made of PP Mono-Material

Sustainability is more than just a trend. Packaging made of mono-material is currently in demand like never before. We have taken up this challenge and present our PP mono-material product innovations from our diverse range of sustainable packaging.

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## Retortable PP Monomaterial Pouch

### FEATURES

Material: OPP/OPPsx/CPP	✓
Material thickness: 20/20/60 µm	✓
For convenience products such as vegetables, rice dishes, soups, marroni and many more	✓
With very high oxygen barrier	✓
Available as side-sealed and stand-up pouch	✓



## PP Monomaterial Laminate for Cups (Blank)

### FEATURES

Material: OPP/CPP with peel	✓
Especially for delicatessen and dairy industry	✓
Good recyclable laminate	✓
Cup foil available as blank (die-cut lidding foil) and as roll stock	✓
Blank printable in digital printing & gravure printing (counter printing possible)	✓
Larger sealing window than conventional PP film	✓





## FACTSHEET

### PP Monomaterial Five-Seam Pouch with Peel Function

#### FEATURES

Material: OPP/CPP Peel

✓

Material thickness: 20/50 µm

✓



### PP Monomaterial Stand Up Pouch with Spout

#### FEATURES

Material: OPPax-/CPP (transparent)

✓

Material thickness: 16/110 µm

✓

Well recyclable laminate

✓

Possible with and without spout

✓

Good drop test resistance

✓

Can be used up to hotfill

✓



### PP Monomaterial Stand Up Pouch with Zipper

#### FEATURES

Material: OPP/OPPax/CPP

✓

Material thickness: 20/16/75 µm

✓

Reclosable and with window

✓

Suitable for hot filling

✓





## FACTSHEET

### PP Monomaterial Gusset Bag with Valve

#### FEATURES

Material: OPP/OPPmet/CPP	✓
Material thickness: 20/16/60 µm	✓
With very high oxygen barrier	✓
With WICOVALVE® valve made of PP	✓
Translucent digitally printed	✓
Metallization for light protection	✓



### PP Monomaterial Stand Up Pouch with Zipper and Valve

#### FEATURES

Material: OPP/OPPmet/CPP white	✓
Material thickness: 20/16/60 µm	✓
With very high oxygen barrier	✓
With WICOVALVE® valve and zipper made of PP	✓
With matt lacquer coating	✓



Would you like to learn more about our sustainable packaging?  
Then we look forward to hearing from you by phone or email at:

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# Sustainable Packaging Made of PE Mono-Material

Recyclable packaging is becoming more and more an important part of the packaging market. Stricter legal requirements as well as an increasing demand from filling companies require the conversion to mono-material packaging. To meet these requirements, we have developed 4 new products made of PE mono-material.

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## PE Monomaterial Stand Up Pouch with Spout

### FEATURES

Material: Monomaterial OPE/PE (transparent)	✓
Material thickness: 25/90 µm	✓
Well recyclable laminate	✓
Possible with and without spout	✓
Good drop test resistance	✓



## PE Monomaterial High Barrier Laminate for FFS Machines

### FEATURES

Material: PEsiox/PE	✓
Material thickness: 32/75 µm	✓
Very good oxygen barrier	✓
Available as roll stock	✓
Suitable for FFS machines	✓
Suitable for W106, W116, W206 and W216 valves with ultrasonic sealing	✓







## FACTSHEET

### PE Monomaterial Stand Up Pouch with Zipper

#### FEATURES

Material: HDPEsx/PE	✓
Material thickness: 32/100 µm	✓
Reclosable and with window	✓
With high oxygen barrier	✓



### PE Monomaterial Stand Up Pouch without Zipper

#### FEATURES

Material: HDPEsx/PE	✓
Material thickness: 32/100 µm	✓
With window	✓
With high oxygen barrier	✓



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## FACTSHEET

# Sustainable Packaging with Recycled Material (PCR)

The use of sustainable packaging with post-consumer recycled material (PCR) is increasing more and more in numerous applications. Reason enough to expand our range of recyclable packaging with a product made from up to 50 % PCR material.

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## Stand-up Pouch with Recycled Material (PCR)

### FEATURES

Complete stand-up pouch with up to 50 % recycled material	✓
Body material: PET/PE, material thickness: 12/180 µm	✓
Bottom material: OPA/PE, material thickness: 15/180 µm	✓
Transparent laminate	✓



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