



# Packaging for recycling



## Recycling

- less waste
- reducing the exploitation of natural resources
- reduction of emissions of harmful substances into environment



Laminates do not contain allergens.  
Laminates do not contain GMOs.  
Laminates approved for contact with food.

**Good barrier**  
Structures fully usable for recycling

LAMINATE TYPE	Oxygen [cm <sup>3</sup> /m <sup>2</sup> /day]	Water vapour [g/m <sup>2</sup> /doba]
OPP40	>1300	<5,5
PE30/PE90 EVOH	<2,5	3,5
OPP20 EVOH/ CPP60	10	6,5

Oxygen permeability refers to temperature 23 degrees and relative humidity 0% and to temperature 23 degrees and relative humidity 50%. Water vapour permeability refers to temperature 38 degrees and relative humidity 90%. The barrier parameters were estimated on the basis of data from material suppliers and are for information purposes only. Laboratory tests should be carried out to determine the exact data.

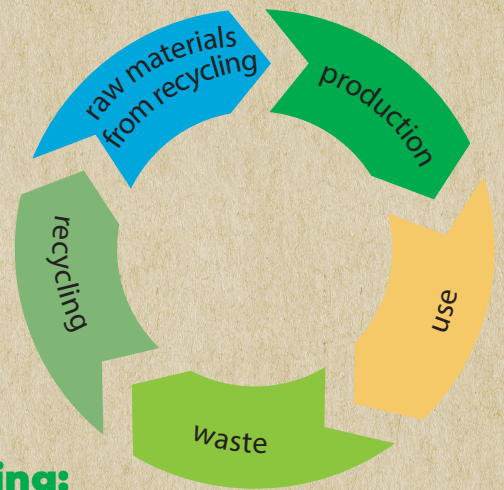


[www.coffee-service.eu](http://www.coffee-service.eu)





Polyethylene (PE) and polypropylene (PP) are the two most commonly used plastics in the packaging industry. As thermoplastic films, they are fully recyclable and therefore can be used many times



### Examples of monofoils and laminates for recycling:



OPP



PE/PE EVOH  
alternative  
PET/PE



OPP EVOH/CPP  
alternative  
OPP/PE i OPP/OPPmet

#### OPP features:

- high transparency and gloss
- good mechanical properties
- good weldability
- low water vapor permeability

#### Properties of the laminate PE/PE EVOH:

- very good barrier properties
- good mechanical properties
- very good weldability
- high flexibility

#### Properties of the laminate OPP EVOH/CPP:

- flexibility
- high mechanical strength
- excellent weldability
- high transparency
- good barrier

## Standard packaging for recycling

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#### REC DOYPACK

Name/ Material		width x depth	~85x50	~110x65	~130x70	~160x80	~180x90
		height	145	185	225	270	290
		foil width	340 325*	440 425*	520	620	670
OPP OPP	40	B/s	•	•	•	•	•
		Z/s	•	•	•	•	•
PE/PE EVOH		Z/s		•	•	•	•



ZIPPER OPP



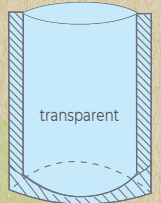
ZIPPER PE



Doypack



Doypack  
with zipper



#### REC GUSSET POUCH

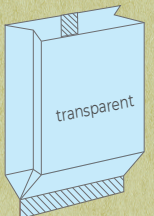
Name/ Material		width x depth	30	50	100	250	500	1000
		height	~50x25	~65x35	~80x35	~80x45	~100x55	~135x70
		foil width	190	190 155**	210 180**	280 235**	330 285**	360 290**
			220	260 250*	280 265*	340 325*	440 425*	
BOTTOM** OPP	40		•	•	•	•	•	
OPP* OPP	40		•	•	•	•	•	



Gusset  
pouch

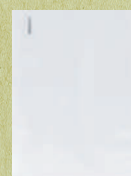


BOTTOM



#### REC SACHET

Name/ Material		width x height	85	110	130	160
			~85x140	~110x170	~130x220	~160x260
OPP OPP	40		•	•	•	•



Sachet

