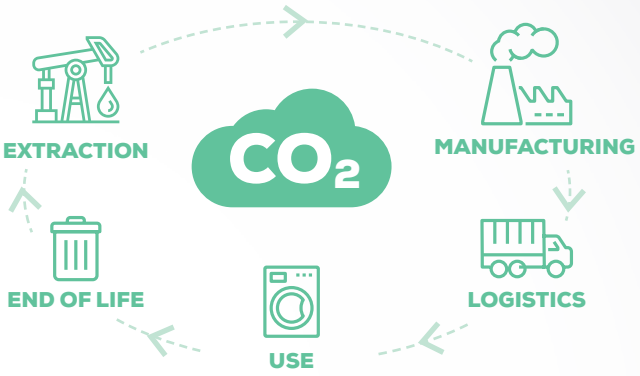
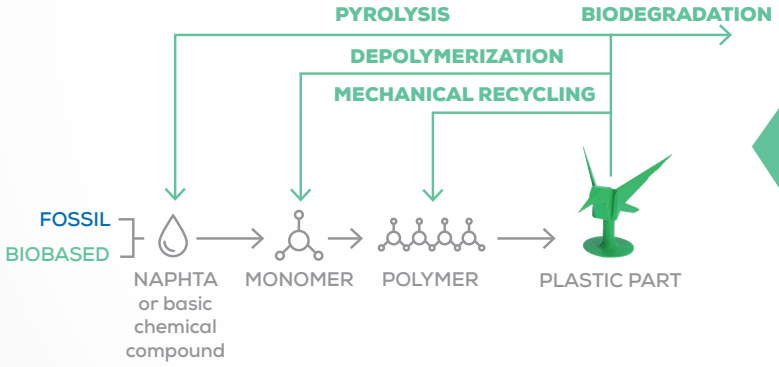
OUR SUSTAINABLE materials

AMP offers complete technical support for eco-design projects.

The main goal of sustainable materials is to **reduce the product's carbon footprint.** It means reducing the CO_2 emissions associated with all stages of its life cycle.





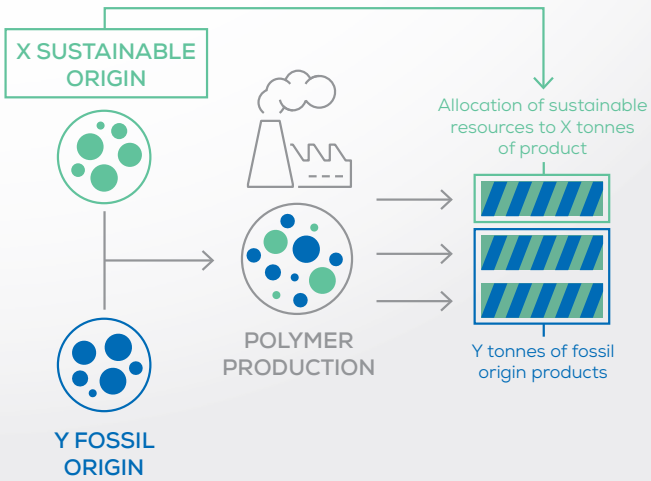
To reduce the CO_2 emissions associated with a plastic part, there are 2 possible options in the choice of material:

- **Recycled polymers** (mechanical recycling, chemical recycling by pyrolysis or depolymerization)
- **Biopolymers** (biobased and/or biodegradable)

ISCC International Sustainability & Carbon Certification

AMP IS ISCC PLUS CERTIFIED

This international certification demonstrates that, from the collection of raw materials (from biomass or waste and residues) to the transformation process, traceability is guaranteed in compliance with this sustainability standard applicable to all sectors.
« Mass balance » is a calculation method that guarantees that the quantity of « sustainable » resources consumed at the start of the production process is equal to the quantity of products to which these raw materials are allocated.



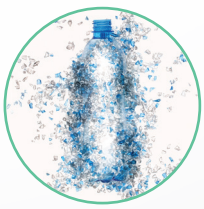
	MATERIAL	ORIGIN*				FIRE CLASS	DURABILITY %	MASS BALANCE (ISCC)	COLORS	FOOD CONTACT
		MECHANICAL RECYCLING		CHEMICAL RECYCLING	BIORESOURCES					
		PCR	PIR							
COMMODITIES	PP	x					up to 100%		●	
		x	x				up to 100%		○ ●	
	LDPE	x					up to 100%		○ ●	
	HDPE	x					up to 100%		○ ●	
	LLDPE	x					up to 100%		○ ●	
	PS	x					up to 100%		○ ●	
ETP	PP COMPOUNDS (glass, talc, calcium carbonate, ...)		x			On request	up to 30%		●	
		x					up to 100%		●	
		x	x				up to 100%		○ ●	
		x	x				up to 98%		◐	
	ABS	x			x	HB	up to 90%	x	○ ●	
		x		x			up to 70%	x	◐	
		x					up to 100%		○ ●	
	PC/ABS	x				V0 + yellow card	up to 90%		○ ●	
		x		x			35-70%	x	●	
		x					up to 100%		●	
	PC	x				V0 + yellow card	up to 90%		○ ●	
	SEBS	x	x		x		up to 70%	x	◐	
	TPE-E				x		up to 70%		○	
	PBT	x		x	x		up to 56%	x	◐	x
	PBT COMPOUNDS (glass)	x		x	x		up to 37%	x	◐	x
	PET	x				V0	up to 100%		◯	x
	PA6		x	x		V0	up to 100%		○ ●	
	PA6 COMPOUNDS (glass, talc, ...)		x	x			up to 100%		○ ●	
	PA 6/66 COMPOUNDS (glass, talc, ...)	x	x				up to 98%		○ ●	

○ Natural • ◯ Clear • ○ White • ● Grey • ● Black • ◐ All

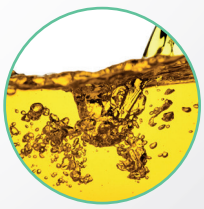
*ORIGIN:

Post-consumer recycled (PCR): collected from recycling stream

Post-industrial recycled (PIR): production waste and scraps



Chemical recycling: physical segregation or mass balance (circular category)



Bioresources 1st or 2nd generation, segregation or mass balance

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