

General Notice

Impact of wood lids on rigid PET packaging

Some packaging manufacturers provide lids made of wood and plastic for PET bottles and containers.

The presence of wood in plastic packaging significantly disrupts PET packaging recycling given the equipment and techniques currently used in Europe.











SORTING AND RECYCLING POTENTIAL

PET bottles and containers are included in the national sorting guidelines issued to the French population. In sorting centres, PET packaging with a wood lid is channelled to PET packaging recycling streams.

PET recyclers will not be able to separate the wood from the plastic at the start of their process and the wood will lead to disruption in the recycling process and will affect the quality of the lid stream which is now recycled.

The table below shows the impact of wood lids at the PET reprocessing plant.

Summary table of impacts during reprocessing

Recycling stage	Impact	Description	Consequences
 Tri sur emballages	∅		
 Prélavage	∅		
 Crushing		Abrasive to the grinder blades	→ Equipment wear
 Flottation		The crushed wood is separated with the lids and has a number of implications for lid recyclers: → Clogging of filters → Clogging of the die → Faults in appearance → Holes, etc.	Disruption of the process: → Increase in machine stoppages → Increase in filter changes Quality defect: → Loss of material, increase in waste to be processed
 Lavage	∅		
 Tri sur palettes	∅		
 Granulation <i>(optional)</i>	∅		
 Recyclage	∅		

 : Caution

∅: No impact → **Environmental consequences**