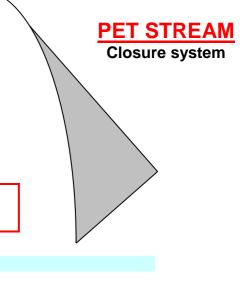
COmité Technique pour le Recyclage des Emballages Plastiques



GENERAL NOTICE Technical Sheet

SUBJECT

Behaviour of a pump with steel parts in PET bottles recycling.

SUMMARY OF RECLAIMING / RECYCLING IMPACTS

Recycling stage	Impact	Description	Consequences
Sorting of bottles		1 bottle with steel part detected,	 Higher losses Increase in waste to be processed
(optional)	Ø		
Grinding	Ø		
washing	Ø		
Flake floating and separation		Steel particles are not eliminated and remain in the PET stream	 PET stream polluted
Rellet sorting (optional)		1 steel particle detected	 Higher losses ➤ Increase in waste to be processed
Contional) and Recycling		 Presence of steel particles: → - Filters plugging - Extrusion die plugging - Visual defects - Holes, etc 	Process disruption - increase in machine stoppages - higher losses ● Quality defects > Increase in waste to be processed

 \triangle Caution \emptyset No impact \Im Under examination > Environmental consequences

GENERAL OPINION

Based on the equipment and technologies currently used and available in Europe, the presence of this closure system significantly disrupts PET bottle recycling.

COTREP recommends studying alternative systems that take into account the compatibility of materials between each other.