










General Notice

Behaviour of PETG labels or sleeves during the recycling of PET bottles

1/ Summary table of impacts on regeneration

Recycling stage	Impact	Description	Consequences
 Sorting on bottles (optional)	∅	-	-
 Crushing	∅	-	-
 Flotation		PEGT flakes will not be separated from PET flakes by flotation (density of the 2 materials >1)	PET stream pollution
 Washing		PETG tends to stick to machine walls during drying	Blocking of pipes
 Granulation  Recycling		PET causes yellowing of the pale coloured PET stream over a certain concentration	Quality problems



Caution

∅ No impact

→ Environmental consequences

2/ COTREP's conclusion

With the techniques and equipment currently available and used in Europe, a PETG sleeve can disrupt the regeneration and recycling stages of the PET stream. During regeneration there is a tendency to agglomerate and block pipes, as well as yellowing of pale material (which is not visible in dark materials).

For manufacturing a partial label or sleeve, COTREP recommends substituting PETG with a different, more compatible plastic where possible.

NB: In the case of an integral sleeve or label, the behaviour of the packaging may vary, particularly during the sorting stages. For further information please consult General Notice No. 12.