

GENERAL NOTICE
Technical Sheet

SUBJECT

Behaviour of a stretch LDPE sleeve in recycling PET bottles.

IMPACT SUMMARY TABLE

Recycling stage	Impact	Description	Consequences
Pre-washing (optional)	∅		
Sorting of bottles	∅		
Grinding	∅		
Washing	∅		
Flake floating and separation	∅	LDPE sleeve flakes, with density < 1, are easily separated from the PET stream in this stage.	
Aerodynamic separation (optional)	∅	The remaining LDPE sleeve flakes - in a very small proportion and very light – are easily separated from the PET stream in this stage.	Little or no impact on waste rate
Flake sorting (optional)	∅		
Granulation (optional) and Recycling	∅	The residual rate is around a few ppm.	



Caution ∅ No impact ⌚ Under examination ➤ **Environmental consequences**

GENERAL OPINION

Stretch LDPE sleeves can be easily separated from PET bottles in the various regeneration stages. Sleeve flakes separated during flotation are recovered by material recycling with polyolefin from caps.

COTREP is favourable to the use of this kind of sleeve which, in the current state of equipment and techniques used and available in Europe, does not disrupt PET bottle recycling.