

COmité
Technique de
Recyclage des
Emballages
Plastiques

TECHNICAL NOTICE VLP 06_03
CLOSURE SYSTEM

REQUESTED BY: UNIPAC

- *Date of request:* October 20th, 2006

DESCRIPTION OF CLOSURE SYSTEM

- *Trademark:* Lift "n" Peel R
- PET heat-seal applicable by induction with easy opening system (multilayer polyester/polyolefin foam/aluminium)
- *Application:* PET bottles

MARKET:

- Food/Non-food

TECHNICAL OPINION

The seal's behaviour was analysed in the PET stream.

The behaviour of the Lift'n Peel R seal was studied in recyclability tests on a pilot line representing the lines used by PET recyclers in Europe. Tests were conducted according to procedure P 16.01.2007. The recyclability tests carried out show great ease of elimination of Lift'n Peel R seals in the floating stage (behaviour similar to the Uni-Gard R seal, see Technical Notice VLP 06_02).

This type of seal is designed so that it can be entirely removed from the bottle by the consumer on first use (peel-off). Consequently, the risk of the seals being still present in the bottle stream during recycling is much lower than for a conventional seal.

In the event that the seals are still present in the reclaiming and recycling stages:

- Part of the bottles will be eliminated in the bottle sorting stage (metal detection).
- The residual seals will be eliminated in the floating stage.
- Losses will therefore be inexistent in the flake sorting and granulation stages.

Product quality, which is highly sensitive to the presence of residual aluminium particles, will therefore be significantly improved.

In the light of these factors, COTREP is favourable to the use of this type of seal which, in the current state of equipment and techniques used and available in Europe, helps to improve the recyclability of household PET packaging waste from collection in France.

Paris, 20/11/07

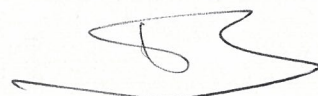
CO.T.R.E.P.



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