

TECHNICAL NOTICE VLP 06_02
CLOSURE SYSTEM

APPLICANT: UNIPAC

- Date of request: October 20th, 2006

DESCRIPTION OF CLOSURE SYSTEM

- Brand name: Uni-Gard R
- PET heat-seal applied by induction (multilayer polyester/polyolefin foam/aluminium)
- Application: PET bottles

MARKET:

- Food/ Non-Food

TECHNICAL OPINION

This seal's behaviour was analyzed in the PET stream.

The behaviour of the Uni-Gard R seal was examined in recyclability tests on a pilot line representing the lines used by PET recyclers in Europe. The tests were conducted according to procedure P 16.01.2007.

The recyclability tests carried out show great ease of elimination of Uni-Gard R seals during the flotation stage. However, some of the bottles containing such seals will be eliminated upstream during the bottle sorting stage (metal detection).

The losses borne by the recycler compared with a 100% aluminium seal (cf. Technical Sheet 11: behaviour of aluminium seals in recycling PET bottles), are roughly the same during bottle sorting but virtually non-existent in the fleck sorting and granulation stages. Product quality is very sensitive to the presence of residual aluminium particles and so will be significantly improved.

Consequently, COTREP is favourable to the use of this type of seal, which, in the current state of equipment and technology used and available in Europe, helps to improve the recyclability of PET household plastic waste collected in France.

Paris, September 4th, 2007

CO.T.R.E.P.



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