



**Ecoibéria**<sup>®</sup>  
Reciclados Ibéricos, S.A.

PRODUCT CHART

CLEAR  
FLAKES  
PET CLEAR 1000



# CLEAR FLAKES

## PET CLEAR 1000

ECOIBÉRIA is the only Portuguese company which exports recycled PET FLAKES at the same level as the most important European recyclers.

Giving back value to PET packaging waste through mechanical recycling, ECOIBÉRIA manufactures, in a highly sophisticated and constantly monitored process, high quality PET FLAKES that can be used up to the most innovative applications: blister, multi-layers containers, products for the building, car or textile industry.



TYPE	RPET
ORIGIN	Post-consumer bottles
COLOUR	Clear
DIMENSIONS	95% 2 - 12.5 mm
MOISTURE	< 1%
INTRINSIC VISCOSITY	> 0.73 dl/g
BULK DENSITY	> 280 g/cm <sup>3</sup>

### CONTAMINATIONS <

PVC ppm	60
POLYOLEFINS ppm	40
METAL ppm	40
PAPER ppm	10
OTHER POYMERS ppm	60
INERT MATERIALS ppm	25
MULTILAYER TRAYS %	0.05
LIGHT BLUE COLOUR ppm	20
DARK BLUE COLOUR ppm	-
OTHER COLOURS %	0.1

## THE PRODUCTION PROCESS

The PET bottles bales are forwarded towards the recycling line where they are transformed into secondary raw material.

In the first stage of the production process the beverage PET bottles are selected in order to take out visible foreign objects such as wood, metals, cans, big objects in other plastic materials.

In a second stage labels are removed and then a first sorting is carried out: the bottles are conveyed through optical detectors which remove rejected plastics and colors.

A further sorting, with human assistance, is carried out in order to grant maximum quality.

In a third stage bottles and caps are crushed and hot washed so as to remove labels and glue.

In the fourth stage metals are sorted out and lastly the flakes are optically purified to remove any further contaminations.

