



SIPA design to recycle

PACKAGING DEVELOPMENT

OUR APPROACH TO A NEW PROJECT

We consult our customers for best choices



DESIGN

Brief definition, Concept idea,
New shapes to strengthen
visibility and to stand
out on the shelf



ENGINEERING

Preform & bottle
optimization;
weight analysis;
performance enhancements



PROTOTYPING

Quick container sampling
to verify aesthetics and
performance with lab
machines



VALIDATION

Bottle Quality certification in
our Quality Laboratory



APPROVED BOTTLE

Bottle approved, certified
performance, industrial
platform



DESIGNED FOR RECYCLING



SIPA COMMITMENT FOR SUSTAINABILITY

We defined and apply our guidelines to design bottles for recycling



DESIGN FEATURES

Analysis for optimum recycle
(working on EPBP and
Recyclclass guidelines)



LIGHTWEIGHT APPROACH

Less plastic, less energy,
less CO₂ emission
(1g of PET spares 1,58g of CO₂)



GUIDELINES FOR RECYCLING

TOPICS TO CONSIDER:

BODY FEATURES

MATERIAL COMPOSITION
COLOURS
SIZE
PRODUCT RESIDUES
BARRIER
ADDITIVES

Definition of type of bottle and % of PET in the material
Of the material
Of the collected container
% of product left after use
Applied on bottle
In the polymer

DECORATION FEATURES

LABELS
SLEEVES
TAMPER EVIDENCE WRAP
ADHESIVES
INKS
DIRECT PRINTING

Definition of the material and size compared to the bottle
Definition of the material and size compared to the bottle
Definition of the material
Used for label
Used for label
Used on bottle

CLOSURE FEATURES

CLOSURE SYSTEM
LINERS, SEALS AND VALVES

Definition of the system to seal the bottle and its material
Definition of the material

OTHER FEATURES

OTHER COMPONENTS

For example: base cups, handles, trigger sprays...; and the material



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DESIGN FEATURES



LIGHTWEIGHT APPROACH

ASK SIPA FOR A CONSULTANCY

We can answer your questions about bottle recyclability and how to create sustainable packaging.