



PRESENTATION OF THE CHALLENGE

CHALLENGE

SUMMARY

We are looking for a solution provider to...

Develop and manufacture an additive for polyethylene terephthalate (PET):

- That will make it compatible with household formulations containing hypochlorite with and without sodium hydroxide (NaOH).
- That the life of containers containing these formulations will be greater than 12 months while maintaining their properties of tightness, rigidity and resistance to dropping.

REQUIREMENTS

The company must...

- Ensure the recyclability of PET due to its low proportion in the container.
- Not to make the price of the final container excessively expensive.
- Allow the processability of PET both in the manufacture of preforms and in the blow molding of the same.
- Maintain recyclability.

7.1 - Additives for PET bottles that are compatible with chlorinated formulations

HOW COULD WE

To obtain a solution...

- To delay the chemical attack of the formulations to PET during the useful life of the product.
- Maintain the same properties as the one manufactured with virgin PET.
- Is 100% processable with the same processes used for virgin PET resin.
- Allow PET coloring.

TYPE OF CHALLENGE

P **M** **T** **C** **S** **O**

Product – Market – **Technology** – Chanel – Society – Others