

# Cases 2

# Casa 2A. The Good Company

- You work in a company that produces Polypropylene and sells the resin as pellets.
- The pellets have a size distribution and your product is now out of specifications.
- What can you do to get back on the right distribution size?

Your company uses a 1 meter diameter die with 800 holes, and each hole has a diameter of 4 mm.

## Case 2B. The Angry Pellets Buyer

- The good company is selling to Polypropylene Pellets but with a different size distribution.
- Would you buy the product.
- Can that be a problem for your process?
- And If so, How can that be a problem?

## Case 2C. Bottles Inc.

- You have to produce HDPE bottles that will be used for milk bottling. The bottles you are selling are having leaks and it seems that you have more than one factor affecting the mechanical resistance of the bottle. What could you do to fix the problem?

## Case 2D. Plastic Automotive

- You are producing injection molded rear mirror holders made out of PP, but the part is showing several problems: one of them seems to be that shows a charcoal like edge, show some silver-like splashe and an undesirable welding line.
- How could you solve the problem?

## Case 2E.

- Show a table indicating the similarities and differences bewtween extrusion and injection molding.