

### **Basic information on the type of piece.**



1. What use is this piece intended to be used for?
2. What fundamental characteristics must it meet?
3. What finishes are necessary?
4. Total amount of parts you want to manufacture / sell each year? (It is advisable to make a mold, or perhaps other ways valuable)
5. Lifespan of the mold?
6. Transformed plastic material / complete commercial reference?
7. Production mold or prototype?
8. Do you have injector regulations? Do you have a defined injector?

### **Information that speeds up the initial study of the project.**



9. Starting information part geometry? Sample piece? 2D plans?
10. Piece thicknesses that may be necessary?
11. Total cycle time?
12. Shrinkage of the material?
13. Special measures?
14. Have 3D geometries available? What information would be available to make the mold?
15. Do you know what injection system you want? Do you want us to recommend an injection system?
16. Are there particularities to take into account? (areas where injection point cannot be applied, where ejectors may or may not be located, etc.)

### **Additional technical information to be specified.**



17. Determination of material qualities (figure steel and mold holder)?
18. number of cavities in the mold?
19. Special coatings / treatments on the mold or on the part? Aesthetic / mechanical part?
20. What are the stresses to which said piece will be subjected?
21. Do you require any type of specific injection technology? (2k, 3K, with gas ...)
22. Direct figure on plate? Or with figure hairpieces?

23. Mould - Flow? Or is it not necessary? Functions of the part? Does it exist areas where it is not possible to have ejector marks? Authorized marks?
24. How does / does your client want to inject the part? Underwater? Direct to piece to cut?
25. Hot camera? - Brand? / Cold mouthpiece?
26. ¿Regulations on external standardized / plugs
27. machine foreseen to inject (closing force)? Flat / ejection / nozzle radius measurements?
28. Plastic material to inject? Colour?
29. Finished quality of the piece (textured, polished)?
30. Surface finish quality (visible areas, unseen areas, demoulding polishing, industrial, fine ...)
31. Are special accessories necessary? And restriction? E.g.: cycle counter, pressure sensors ...?
32. Existence of areas where ejector marks, hairpieces, etc. are not allowed?
33. Part ejection system (linked to machine, hydraulic, etc.)?
34. Is the parting line determined?
35. Robot grip system?
36. What types of finishing finishes of the pieces? (Polishing, type of polishing, or others).
37. What machinery do you want to use to inject?

**Additional services.**

38. Tests? Number of tests? Place to carry out the tests?
39. Delivery of parts to destination? Pieces per lot?
40. Delivery of the mold to destination? Incoterm?
41. Metrology? CpK's? Thermal study?
42. Specific packaging?

**Issues related to project organization.**

43. Do they have a target price?
44. On what dates do you need first samples?

