Flowservice srl
Via XI Febbraio 53/A - 25067 Lumezzane S.A. (BS) - Italy
Tel. +39 030 8925649
www.flowservicesrl.com - simulazione@flowservicesrl.com

Moldflow Check List

Questionnaire for the simulation of the polymer injection molding process

Please fill in as many of the following fields as possible.

A correct and complete form will ensure a better result of the study, both in terms of simulation accuracy and in the subsequent explanation of any problems.

Please send the completed form by e-mail to simulazione@flowservicesrl.com. Large files (geometries, technical documentation) can be sent via WeTransfer or through the shared area we will indicate.

Please also attach any drawings and/or documentation identifying critical areas of the part.

For any clarification, please do not hesitate to contact us.

1. Identification

Company

Contact person: Name

Phone

E-Mail

Part name

2. Process parameters

Material: Grade

Melt temperature [°C]

Injection molding machine

Injection time [sec]

Cycle time [sec]

Average mold temperature [°C]

Number of cavities

Packing profile [bar-seconds]

Mold open-close-robot time [sec]

3. Additional information

Project status:

☐ a similar mold already exists ☐ new mold ☐ existing mold with problems ☐ other

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Gate type (multiple choices allowed):

☐ submarine ☐ fan ☐ banana ☐ film ☐ pin ☐ sprue ☐ diaphragm ☐ ring
☐ edge ☐ spoke

Please describe, in as much detail as possible, the use of the finished part

Notes (anything that may be useful for the study)

4. Further details (optional)

Process type (multiple choices allowed):

☐ thermoplastic ☐ thermoset ☐ elastomer / rubber ☐ overmolding ☐ gas assisted
☐ co-injection

Material: supplier | Trade name (grade) | Filler / fibre: type and %

Analyses required (multiple choices allowed):

☐ filling ☐ packing ☐ cooling ☐ warpage ☐ fibre orientation ☐ gate location
☐ cycle time

Feed system:

☐ cold runners ☐ hot runner ☐ mixed

Number of hot nozzles

Cooling circuit layout available:

☐ Yes ☐ No

Coolant temperature [°C] | Coolant flow rate [l/min]

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Machine data:

Clamp force [t]

Screw diameter [mm]

Maximum injection pressure [bar]

Part requirements:

Maximum allowed warpage [mm]

Class A (aesthetic) areas

Critical tolerances

3D files available (multiple choices allowed):

☐ STEP ☐ Parasolid ☐ IGES ☐ other

Does the file include the feed system?

☐ Yes ☐ No

Does the file include the cooling circuits?

☐ Yes ☐ No

Other format (please specify)

Date by which results are needed