Avoiding problems before they happen saves costs and material. Difficulties during the construction of injection molded parts/molds, parts quality and their functionality can be detected at an early stage.

MoldFlow® analysis is a way to increase profits and to improve your competitive position.

We analyse your injection molded parts and offer suitable solutions through a range of methods such as:

- filling simulation and cooling time calculation
- 2 component injection molding simulation
- optimization of the gate location/runner system
- deflection analysis and fibre alignment
- rheological and thermal design of injection molds
- holding pressure calculation and sink marks prognosis
- weld lines and entrapped air
- quality prediction and recommendation
- process parameters and clamping force requirement calculation
- shear stress analysis
- gate balancing for multi and family molding tools
- extensive reporting

Advantages

Quality problems of injection molded parts can be detected at construction stage, whereas the design engineer easily influences the process for best results. The cooling system can be adapted to the thermal requirements of the molded parts and thus reduces the cycle time.

Requirements

Closed mesh 3D-data:


Others on request.

Contact:
PENTACON GmbH
Foto- und Feinwerktechnik
Enderstraße 92
01277 Dresden

Internet: http://kunststoff.pentacon.de
E-Mail: manfred.meissner@pentacon.de
Phone: +49-(0)351-2589-289
Fax: +49-(0)351-2589-600