



PRODUCT SPECIFICATIONS

Geometry Type

Surface : Mid-Surface Model
Shell3D : Solid Shell Model
Solid3D : Solid Model

File Formats

CAD:

IGES,STEP,STL...Automatic Meshing
Catia V5 files with optional SimpoeLINK V5 module

FEM:

Output: Nastran, Abaqus
Input: Nastran
Mesh Quality Control Tools

Basic Parameters

•Plastic Materials:

Built-in **and customizable** plastic materials data bank

•Injection process controlling parameters:

Flow rate or Time control
Resin melt and mold wall temperatures.
Injection press maximum pressure & maximum flow rate

•Definition of injection gates, runners and cooling channels

•Co-Injection, Fibers, Multi-Domains, Inserts.

Filling/Packing Results

Filling/Packing :

Melt front, with dynamic display.
Pressure at filling end.
Average, central, bulk temperatures.
Shear stress and shear rate.
Shrinkage.
Gate(s) location(s) optimization .
Perfect cooling time*.
Sink Marks positions*.
Weld lines.
Air traps.
Skin and core fibers orientation. * requires PACK

FILL + PACK Modules

General Results

General:

Profile curves on user-defined nodes.
Flow rate, pressure and clamping forces curves.

Clipping planes and Iso-Surfaces.

Automatic generation of HTML, PPT and Word reports, including data, graphs, animations, images and numerical results.

 **Simpoe-Mold**



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