

 RELEASE NOTES

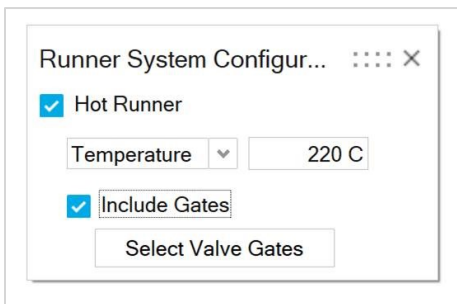
Altair Inspire Mold 2021 and 2021.0.1

New Features and Enhancements

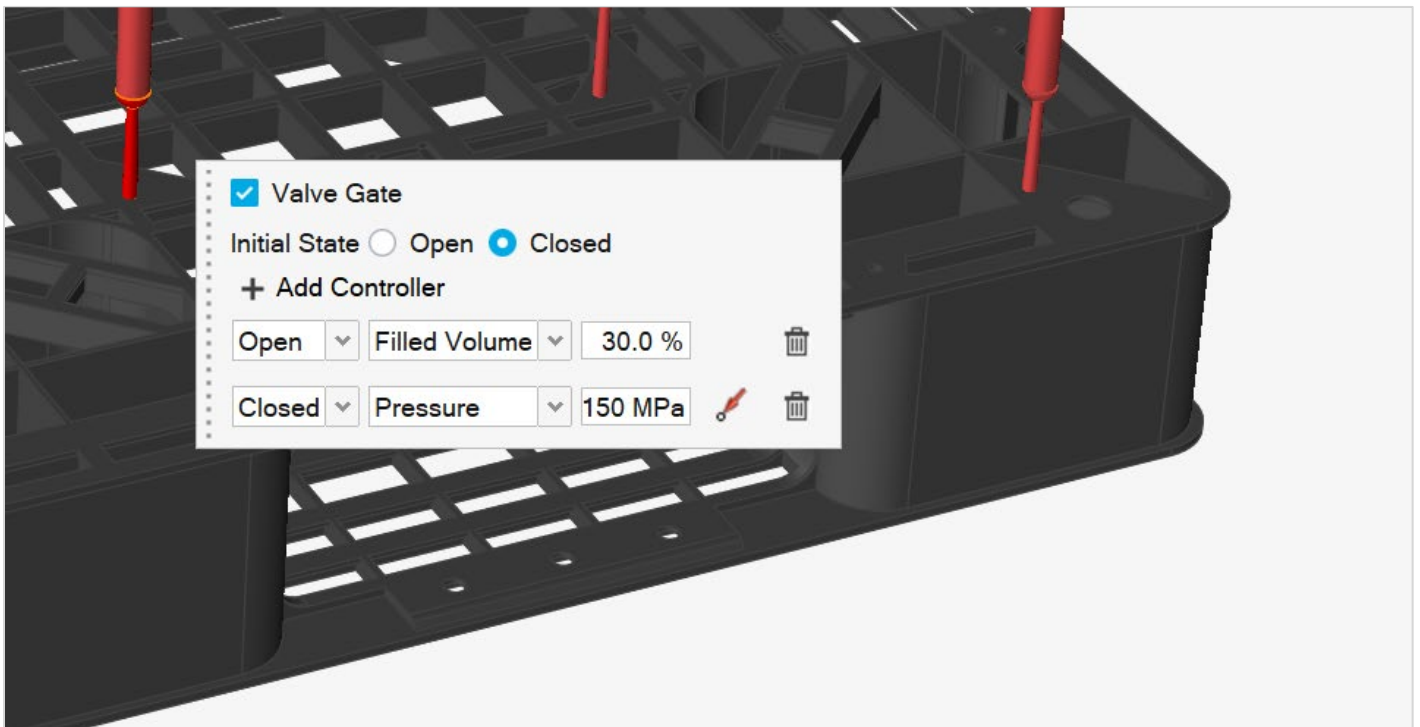
Altair Inspire Mold 2021 includes the following new features and enhancements. View resolved issues for the [2021.0.1 hotfix here](#).

Hot Runners and Valve Gates

The new **Hot Runners** tool on the Runner System icon allows you to configure hot runners. You have the option to define the heating system based on constant temperature or insulated runners.

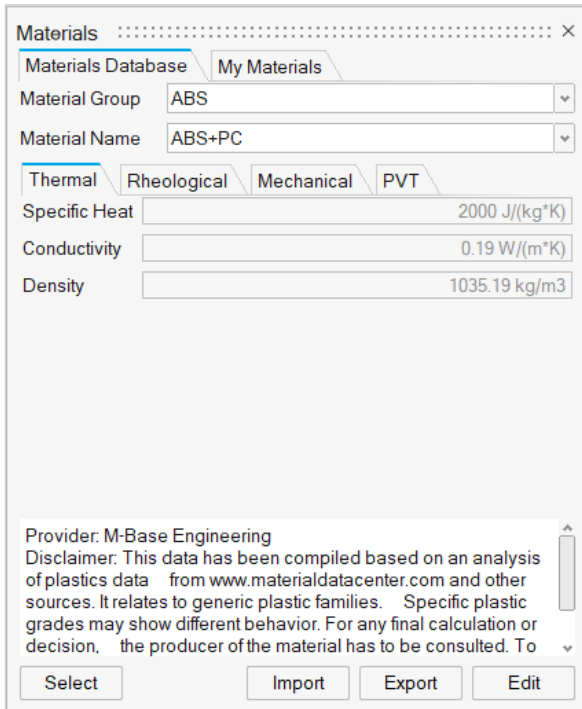


You can also define valve gates for the hot runners to control the flow of material through the gates. Click **Select Valve Gates** on the Runner System Configuration window and use the microdialog options to define the injection controls. Click **Add Controller** to specify when a valve opens or closes during the injection stage based on time, pressure, flow front or volume. Controls for multiple gates must be set up separately for each gate.



Altair Material Data Center

You can now import materials from the Altair Material Data Center into Inspire Mold. Just click the **Import** button on the My Materials tab of the Materials Viewer to import files in .xml or .json format. You can also export materials in .xml format as well.



The screenshot shows a software window titled "Materials" with a close button (X). It has two tabs: "Materials Database" and "My Materials". Under "My Materials", there are two dropdown menus: "Material Group" set to "ABS" and "Material Name" set to "ABS+PC". Below these are four sub-tabs: "Thermal", "Rheological", "Mechanical", and "PVT". The "Thermal" tab is active, showing three input fields: "Specific Heat" with the value "2000 J/(kg*K)", "Conductivity" with "0.19 W/(m*K)", and "Density" with "1035.19 kg/m3". At the bottom, there is a text area with the following content: "Provider: M-Base Engineering", "Disclaimer: This data has been compiled based on an analysis of plastics data from www.materialdatacenter.com and other sources. It relates to generic plastic families. Specific plastic grades may show different behavior. For any final calculation or decision, the producer of the material has to be consulted. To". Below the text area are four buttons: "Select", "Import", "Export", and "Edit".

Resolved Issues

The following issues were resolved in the 2021 release:

- Fixed an issue with runs failing when using the French user interface. [CMG-847]
- Fixed an issue with Portuguese translation. [CMG-895]
- Fixed missing workflow help text for runner system tools. [CMG-952]
- Fixed an issue where the default value for the sprue filling time was zero. [CMG-765]
- Fixed an issue where warpage stage results for deformation. [CMG-870]
- Improved post-processing performance for large models.

New Features and Enhancements 2021.0.1

Altair Inspire Mold 2021.0.1 includes the following resolved issues.

Resolved Issues

Fixed an issue writing the input deck that was creating temperature overshoots in the hot runner system.