

## **RELEASE NOTES**

# Altair® Inspire PolyFoam<sup>TM</sup> 2024.1



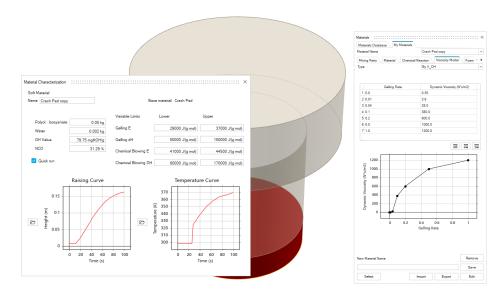
## **New Features and Enhancements 2024.1**

Altair Inspire PolyFoam 2024.1 includes the following new features and enhancements.

## Release Highlights

#### **Material Characterization**

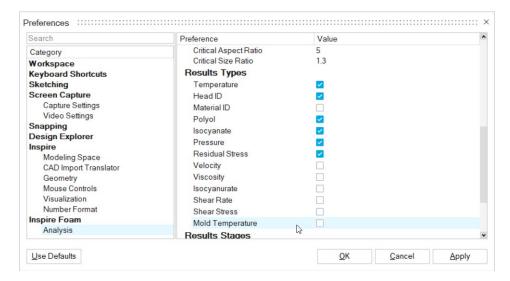
This new feature lets you characterize materials using experimental data. You can obtain this data by measuring the rising and temperature profiles in a simple cup test. You can then use the data in PolyFoam to fully characterize a new material effortlessly, utilizing AI in the background.



For more details, see the help: https://2024.help.altair.com/2024.1/polyfoam/en\_us/topics/polyfoam/setup/pouring\_cup\_test\_t.htm

#### **Mold Temperature Visualization Selection**

The Mold Temperature result type is disabled by default to minimize simulation run time. You can re-enable the Mold Temperature result type in File  $\rightarrow$  Preferences  $\rightarrow$  Inspire Foam Analysis.





#### **Improved Calculation Speed**

Time step calculation algorithm and core scalability have been improved and calculation is now 10-20% faster in PolyFoam 2024.1.

#### **Resolved Issues**

Issues with respect to FSI analysis, subdivision shape detection, moving nozzle, and others have been resolved.



# **Learn More About Inspire PolyFoam**

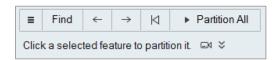
You can learn more about new and existing features in Inspire using the following resources:

## In-Application User Assistance

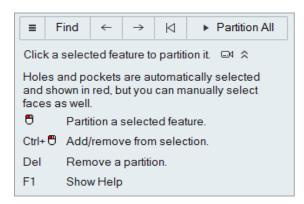
Inspire provides two types of user assistance. **Enhanced tooltips** appear when you hover over icons and other features. They describe what the tool does.



Workflow help appears when you select a tool that opens a guide bar or microdialog. The text prompts you what to do next.



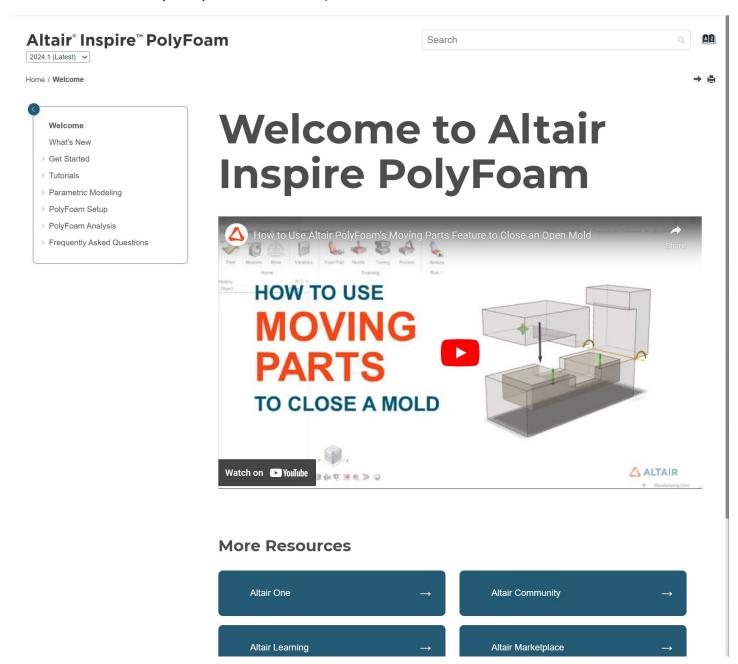
Click to view additional tips and shortcuts. Some tools also include a video





### Online and Offline Help

Press F1 or select File > Help > Help to view the online help.





You can download an offline version by selecting **File > Help > Download Offline Help**. An internet connection is required to download.

