

Moldflow Performance Adviser extends the capabilities of Moldflow Mold Adviser to simulate the packing phase of the injection molding process. Use Moldflow Performance Adviser results to minimize undesirable part shrinkage as well as to assess whether a part is likely to warp or deform beyond acceptable levels.

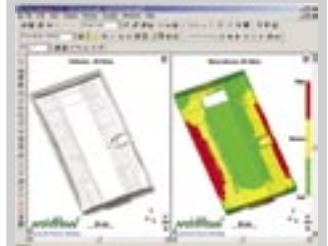
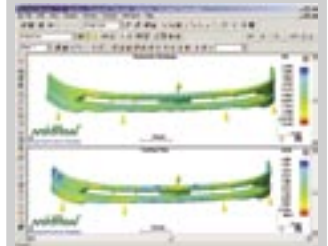
Capabilities

Analysis Capabilities:

- Identify areas of high, non-uniform volumetric shrinkage, which could contribute to part warpage
- View the distribution of cooling time to identify areas that dictate cycle time
- Display the deflected shape of the part to visualize part shrinkage and warpage
- Scale the deflected shape for better visualization of part deformation
- Identify regions on the part that deflect beyond a specified maximum deflection value
- Display the effect on warpage due to shrinkage variations, cooling variations and molecular orientation
- Query any region on the model and obtain results-specific advice on the reasons for warpage and how to correct it

Benefits:

- Optimize the packing phase to achieve the right balance among part quality, part cost and cycle time. Mold designers can set up and evaluate packing profiles to determine the optimum packing pressure and time
- Predict and display the deflected shape of the part to help visualize part shrinkage and warpage
- Use the Warpage Indicator result to identify regions on the part that deflect beyond a threshold value. Evaluate changes to processing conditions, material or the part design to reduce or eliminate warpage



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