

## Plastic Simulation Capabilities

### Technical Feature Matrix for the 2010 Autodesk Family of Products

Simulation Capabilities	Autodesk Inventor Tooling	Autodesk Moldflow Adviser*	Autodesk Moldflow Insight
Thermoplastic Materials (NEAT and Filled)	✓	✓	✓
Single Part Filling Analysis (Injection Molding)	✓	✓	✓
Mold Filling Analysis of Entire Mold (Including Multiple Cavities and Feed System)	✓	✓	✓
Gate Location Recommendation Analysis	✓	✓	✓
Basic Packing Analysis	✓	✓	✓
Runner Design for Feed System	✓	✓	✓
Recommend Processing Conditions	✓	✓	✓
Mold Shrinkage Prediction	✓		✓
Basic Molding Window Analysis		✓	✓
Automatic Runner Balancing Analysis		✓	✓
Basic Cooling Quality Analysis		✓	✓
Basic Warpage Predication (Molded Part Deformation)		✓	✓
Autodesk Moldflow Structural Alliance		✓	✓
Cost Adviser		✓	
Advanced Molding Window Analysis			✓
Design of Experiments			✓
Advanced Filling Analysis (Fiber Orientation, Core Shift, Insert Overmolding, Two-Shot Sequential Overmolding)			✓
Advanced Programming Interface (API) Tools			✓
Advanced Packing Analysis			✓
Advanced Mold Cooling Analysis			✓
Advanced Warpage Prediction			✓
Advanced Mold Cooling Simulation			✓
Specialized Molding Processes (Gas-Assist, Co-Injection, Injection-Compression, Birefringence, MuCell®, Process Optimization)			✓
Thermoset Materials			✓
Thermoset Processes (Reactive Injection Molding, Microchip & Underfill Encapsulation, Wire Sweep & Paddle Shift)			✓

\* - Autodesk Moldflow Adviser Advanced version