

# SolidWorks Plastics Feature Matrix

Feature	SolidWorks Plastics Professional	SolidWorks Plastics Premium
SolidWorks Native File Support	■	■
Associative with SolidWorks	■	■
SolidWorks-embedded	■	■
<b>PLASTICS MATERIAL DATABASE</b>		
4,000+ Commercial Plastics	■	■
Customizable	■	■
<b>MESHING</b>		
Automatic	■	■
Boundary Mesh (shell)	■	■
Solid 3D Mesh	■	■
Global Refinement	■	■
Local Refinement		■
<b>SIMULATION CAPABILITIES</b>		
Filling Phase (1st stage injection)	■	■
Packing Phase (2nd stage injection)		■
Automatic Gate Location(s)	■	■
Instantaneous Filling Pattern Visualizer	■	■
Runner Balancing		■
Sink Mark Analysis	■	■
<b>MOLD GEOMETRY SUPPORT</b>		
Sprues and Runners		■
Hot & Cold Runners		■
Runner Design Wizard		■
Multi-Cavity Molds		■
Family Molds		■
<b>ADVANCED ANALYSIS</b>		
Co-Injection		■
Multi-Shot		■
Insert Overmolding		■

Feature	SolidWorks Plastics Professional	SolidWorks Plastics Premium
<b>ADVANCED ANALYSIS</b>		
Gas-Assist		■
Fiber Analysis		■
Reaction Injection Molding (RIM)		■
Birefringence		■
Valve Gates (sequential injection)		■
<b>RESULTS</b>		
Fill Time	■	■
Pressure at End of Fill	■	■
Temperature at End of Fill	■	■
Flow Front Temperature	■	■
Shear Stress	■	■
Frozen Layer Fraction at End of Fill	■	■
Cooling Time	■	■
Ease of Fill	■	■
Velocity Vectors	■	■
Weld Lines	■	■
Air Traps	■	■
Sink Marks	■	■
X-Y Plots	■	■
Clamp Force	■	■
Cycle Time	■	■
Dynamic Results Adviser	■	■
Results Adviser Help	■	■
Central Temperature at End of Fill		■
Average Temperature at End of Fill		■
Shear Rate		■
Volumetric Shrinkage		■
Temperature at End of Cooling		■
<b>REPORT GENERATION</b>		
Microsoft® Word	■	■
Microsoft® PowerPoint	■	■
HTML	■	■