

PLASTICS MATRIX

Features	Standard	Professional	Premium
Ease of Use	•	•	•
Design Data Reuse	•	•	•
Materials Database	•	•	•
Meshing	•	•	•
Parallel Computing (Multi-core)	•	•	•
Filling Phase (1st Stage Injection)	•	•	•
Automatic Gate Location(s)	•	•	•
Instantaneous Fill Time Plot	•	•	•
Sink Mark Analysis	•	•	•
eDrawings Support	•	•	•
Fill Time	•	•	•
Ease of Fill	•	•	•
Results Adviser	•	•	•
Nominal Wall Thickness Adviser	•	•	•
Pressure at End of Fill	•	•	•
Flow Front Temperature	•	•	•
Temperature at End of Fill	•	•	•
Shear Rate	•	•	•
Cooling Time	•	•	•
Weld Lines	•	•	•
Air Traps	•	•	•
Sink Marks	•	•	•
Frozen Layer Fraction at End of Fill	•	•	•
Clamp Force	•	•	•
Cycle Time	•	•	•
Symmetry Analysis		•	•
Packing Phase (2nd Stage Injection)		•	•
Runner Balancing		•	•
Sprues and Runners		•	•
Hot and Cold Runners		•	•
Multi-cavity Molds		•	•
Family Molds		•	•
Mold Inserts		•	•
Volumetric Shrinkage		•	•
Density at End of Pack		•	•
Exports STL, NASTRAN		•	•
Export with Mechanical Properties ABAQUS®, ANSYS, DigiMat®		•	•
Cooling Lines			•
Baffles and Bubblers			•
Conformal Cooling Channels			•
Runner Domain Category			•
Sink Mark Profiles			•
Mold Temperature at Cooling End			•
Displacement Due to Residual Stress			•