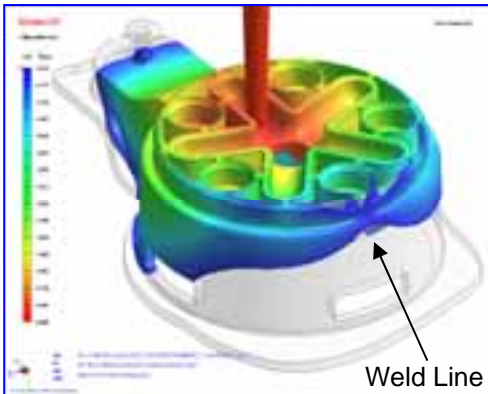




EPS FloTek

A member of the Engineered Product Services, Inc. Group

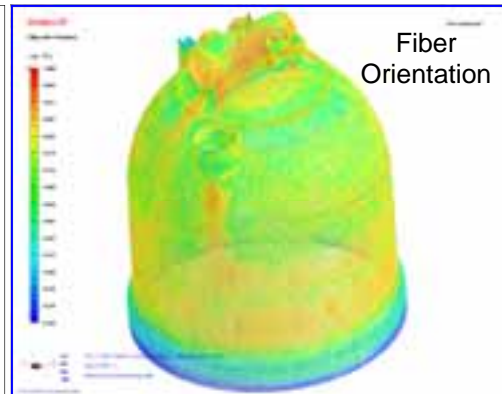
EPS FloTek can help you Eliminate Molding Problems, Produce better quality parts and Increase profits.



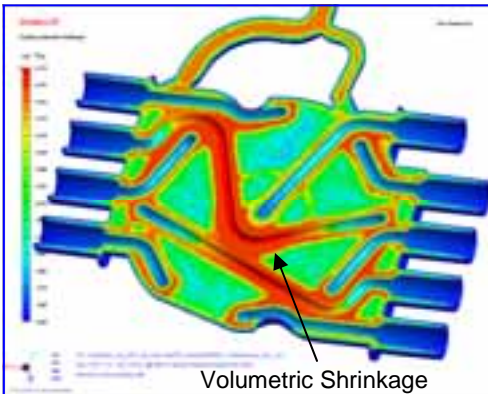
Weld Line

FILLING ANALYSIS

- *Balance & Size Runner
- *Gate #, Size and Location
- *Optimize Part Design
- *Identify Weld Line Location
- *Identify Gas Trap Location
- *Reduce Pressure & Press Size
- *Identify Shear Stress Levels
- *Clamp Force & Shot Weight
- *Optimize Processing
- *Fiber Orientation



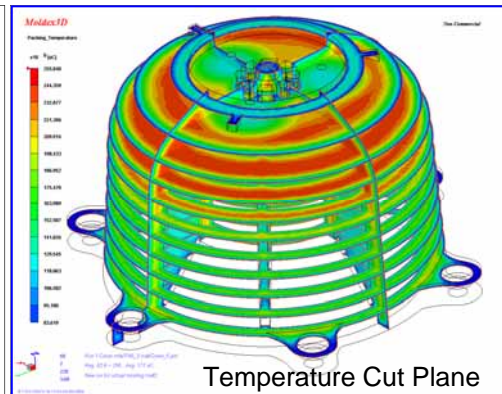
Fiber Orientation



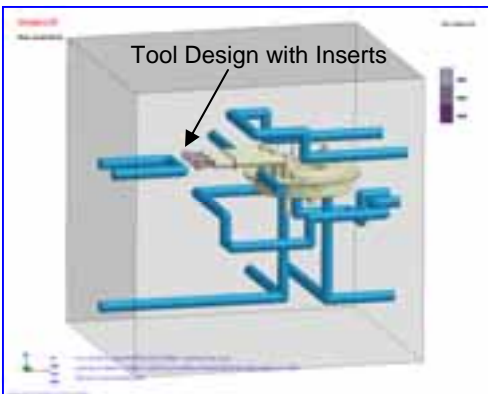
Volumetric Shrinkage

PACKING ANALYSIS

- *Control Volumetric Shrinkage
- *Identify and Control Sink
- *Shrink Control Through Pack
- *Identify Gate Freeze Time
- *Determine Cooling Time with Temperature During Hold
- *Show Potential Voids
- *Identify Residual Stresses
- *Identify Pack Distribution



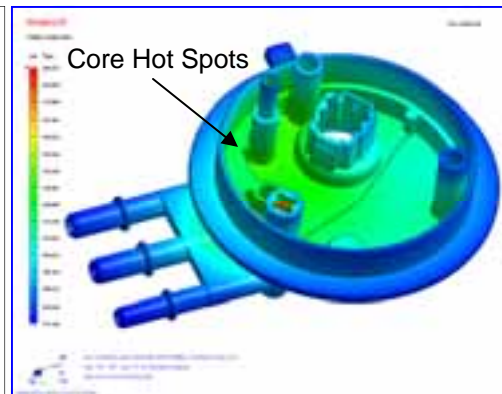
Temperature Cut Plane



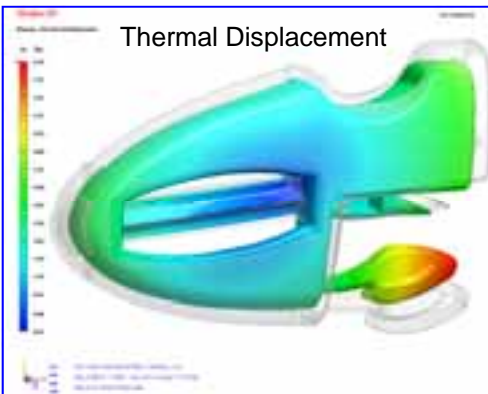
Tool Design with Inserts

COOLING ANALYSIS

- *Reduce Cycle Time
- *Eliminate Hot Spots in Tool
- *Balance & Reduce Flow Rate
- *Balance Temperature Rise
- *Maximize Channel Efficiency
- *Identify Non-turbulent Flow
- *Identify Channels to circuit together for flow reduction, balance and Temperature Control Throughout the Mold.



Core Hot Spots



Thermal Displacement

SHRINK & WARP

- *Identify Exact Shrink in X,Y,Z
- *Shrink Due to Cooling Only
- *Shrink Due to Gate Location, Part Design & Processing Only
- *Exact Mold Shrinkage Design
- *Reduce Stress Concentration
- *Reverse Engineer Mold Shrink
- *Identify Part Response under service conditions



Total Displacement

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