



DAUNTLESS

INDUSTRIES

EZTY Hanger Report

Prepared by:

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Results Summary: EZTY HANGER

Model suitability: The imported model is thin walled, and is appropriate for Dual Domain analysis. As a 3D analysis has been performed, you should take care when interpreting the results.

- Analysis resolution: High
- Material manufacturer:
- Material trade name:
- Material Resin identification code: 7
- Material Energy usage indicator: 1
- Melt temperature: 570.0 (F)
- Mold temperature: 185.0 (F)
- Injection locations: 1
- Max. machine injection pressure: 36000.000 (psi)
- Injection time selected: 0.50 (s) (Specified)
- Velocity/pressure switch-over: 99.00(%) (Specified)

Model warnings: None

Release version:

Study name:

Study location:

◦ Part name:

Results Summary (Fill)

Analysis time: 1799.23 (s)

Your part can be filled easily, but part quality may be unacceptable.

View the Quality Prediction plot and use the Results Adviser to get help on how to improve quality of the part.

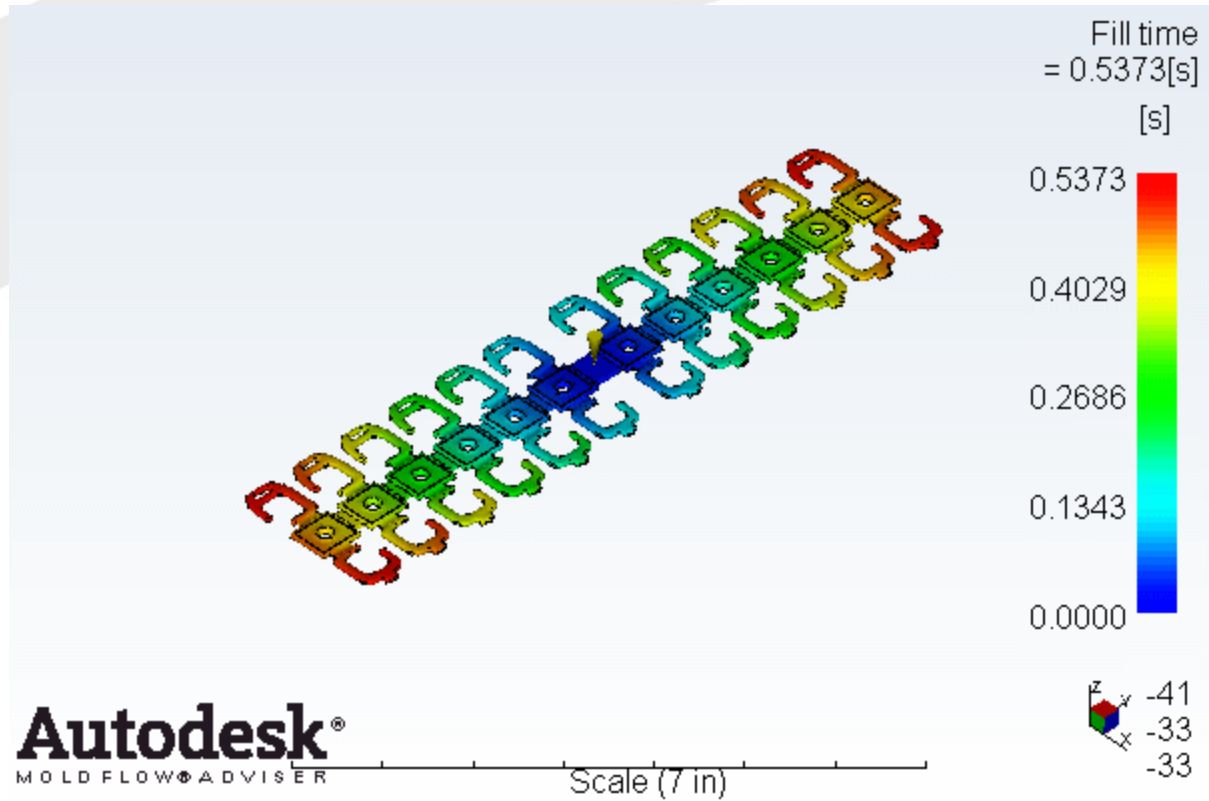
- Actual filling time: 0.54 (s)
- Actual injection pressure: 17524.322 (psi)
- Clamp force area: 12.2596 (in²)
- Max. clamp force during filling: 60.215 (ton(US))
- Velocity/pressure switch-over at % volume: 99.03 (%)
- Velocity/pressure switch-over at time: 0.53 (s)
- Estimated cycle time: 6.55 (s)
- Total part weight: 0.390 (oz)
- Shot volume: 0.6312 (in³)

Clamp force estimate during packing using:

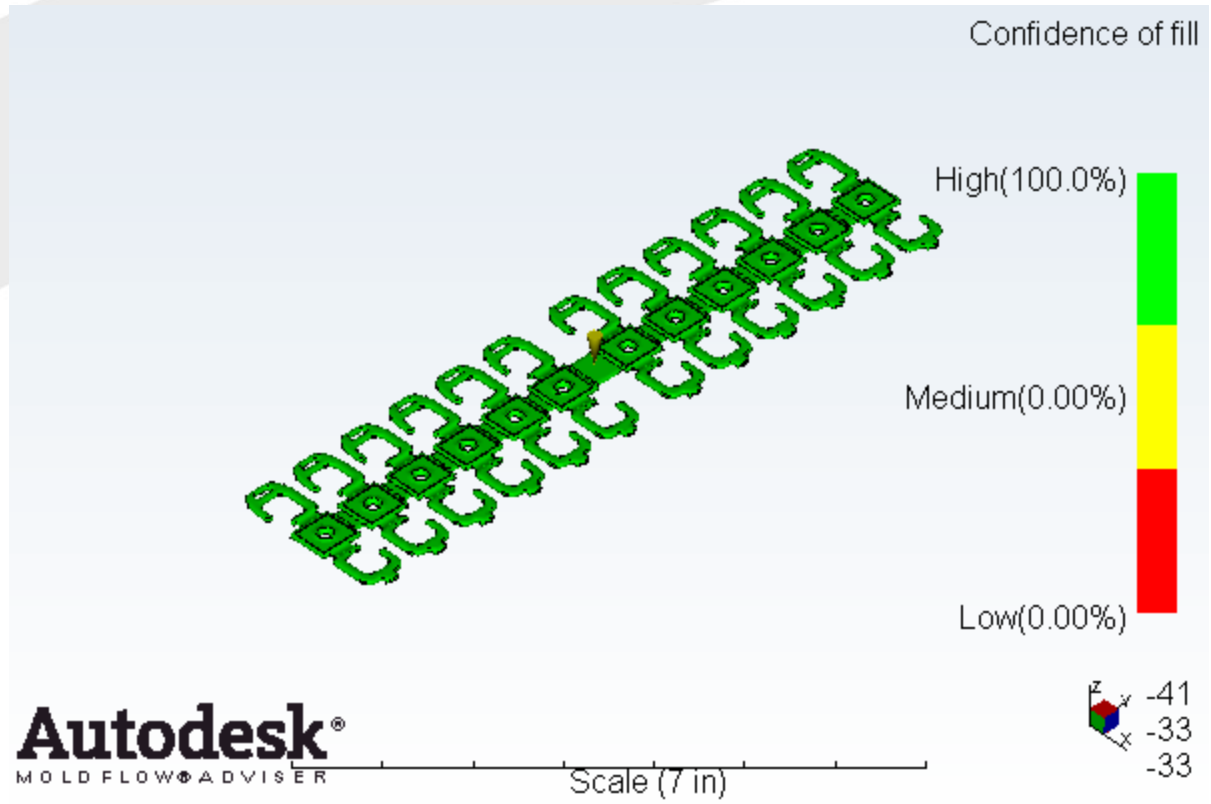
- 20% of the injection pressure: 12.043 (ton(US))
- 80% of the injection pressure: 48.172 (ton(US))
- 120% of the injection pressure: 72.257 (ton(US))

Solver warnings

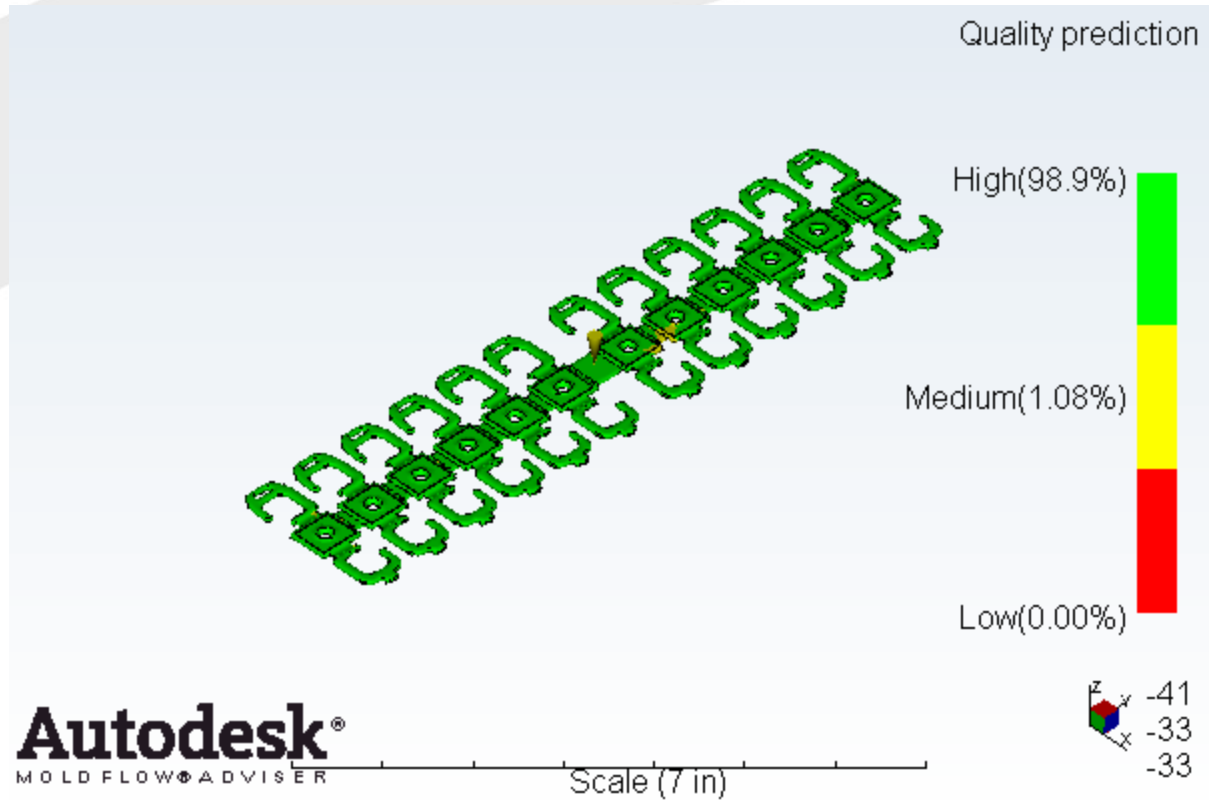
Fill time



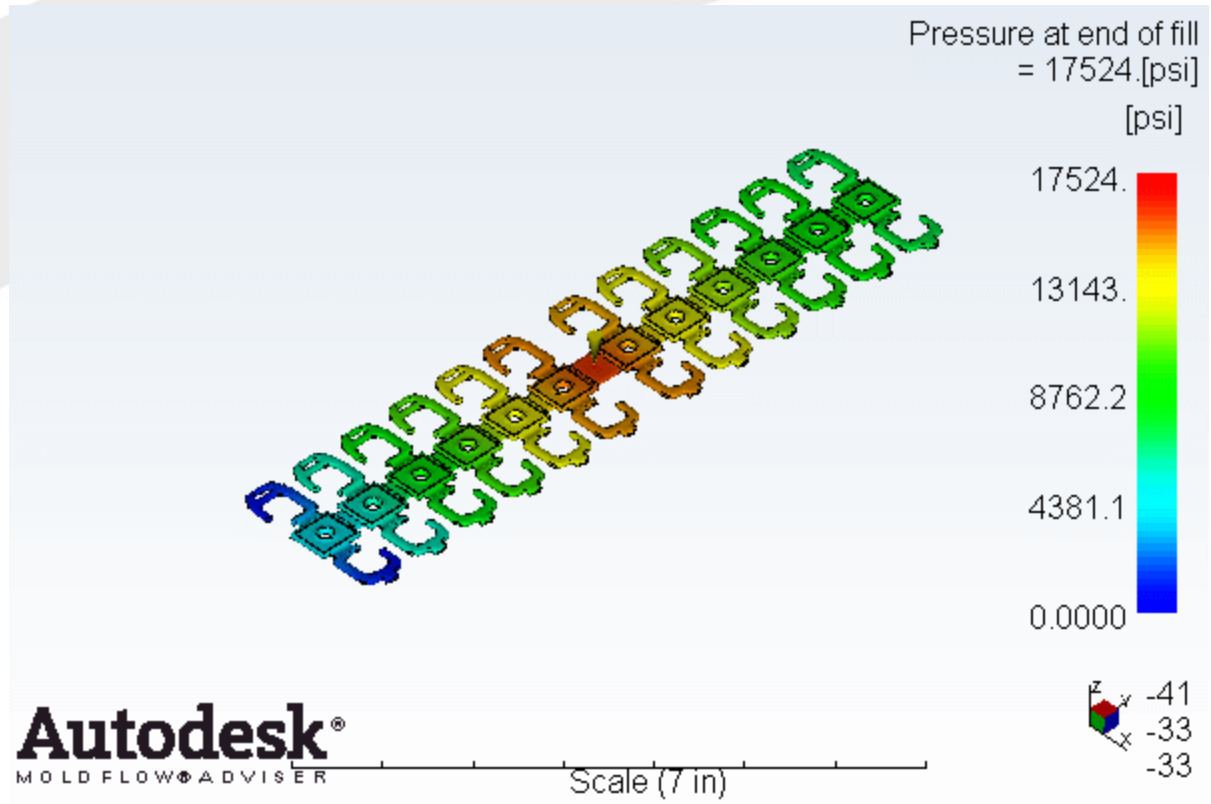
Confidence of fill



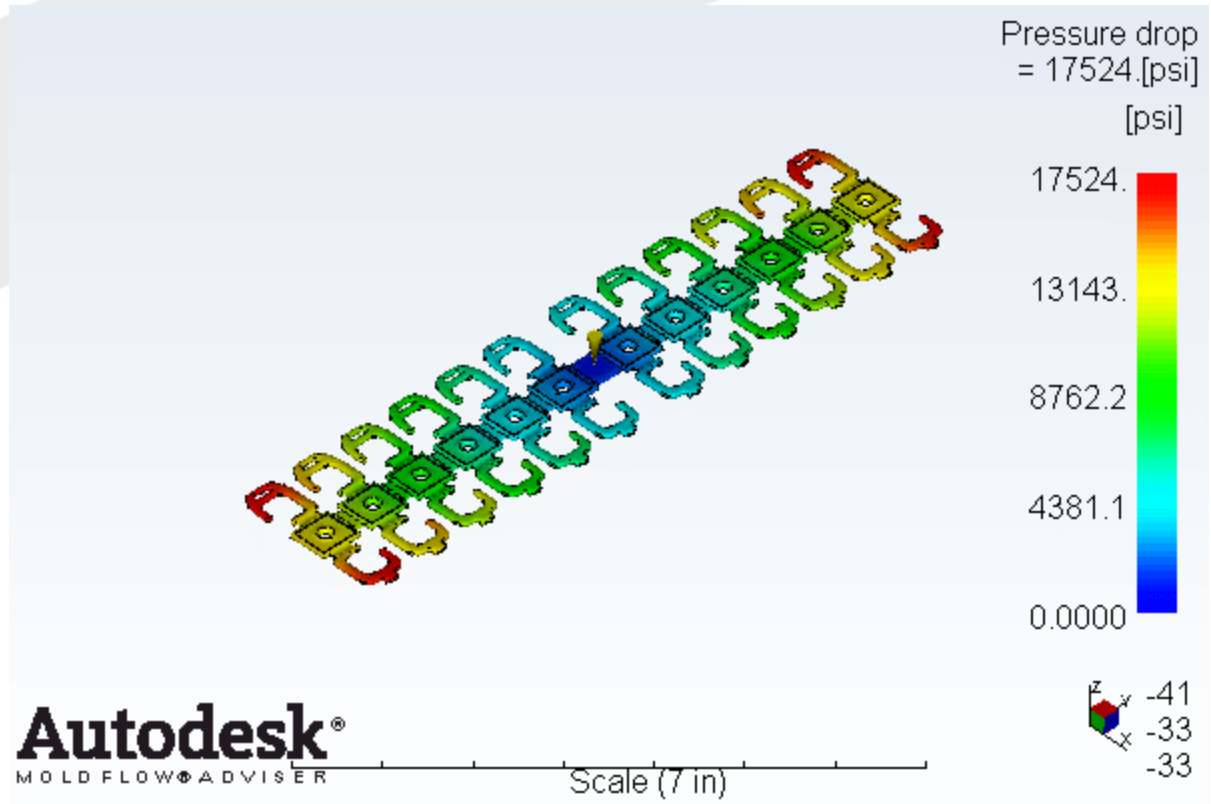
Quality prediction



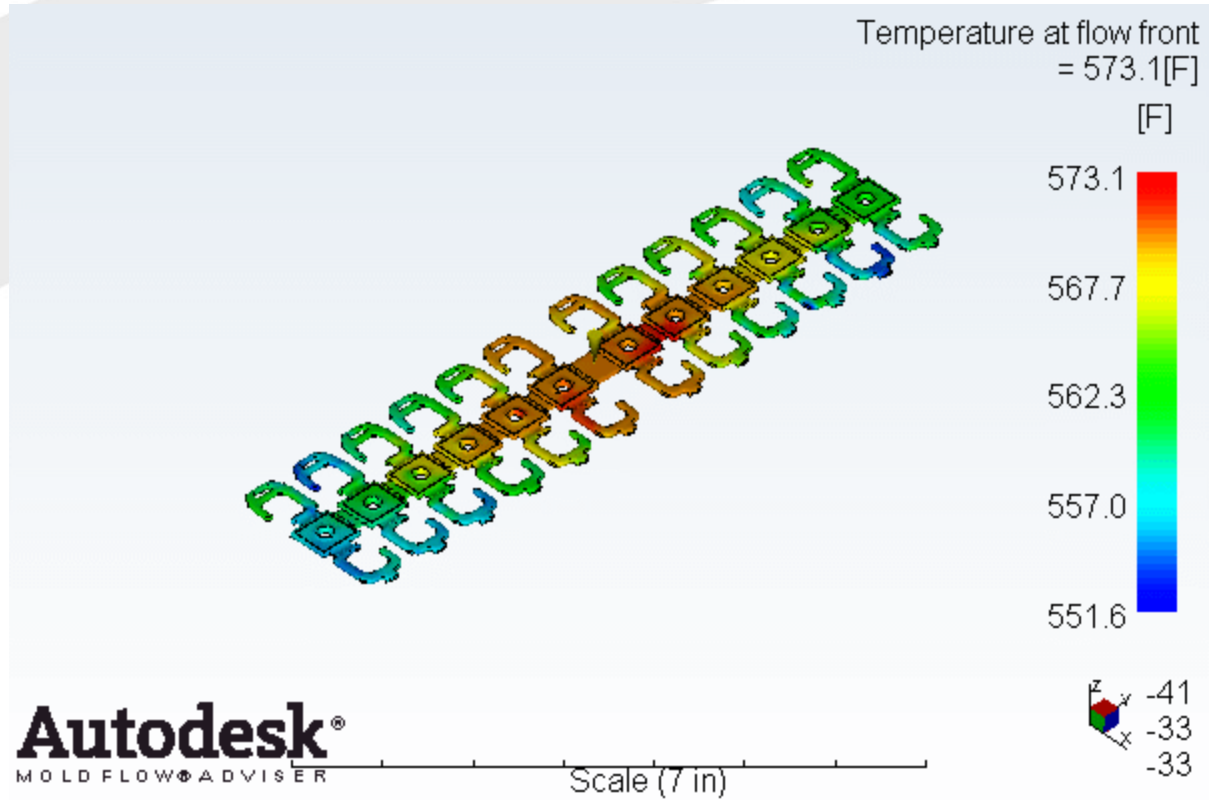
Pressure at end of fill



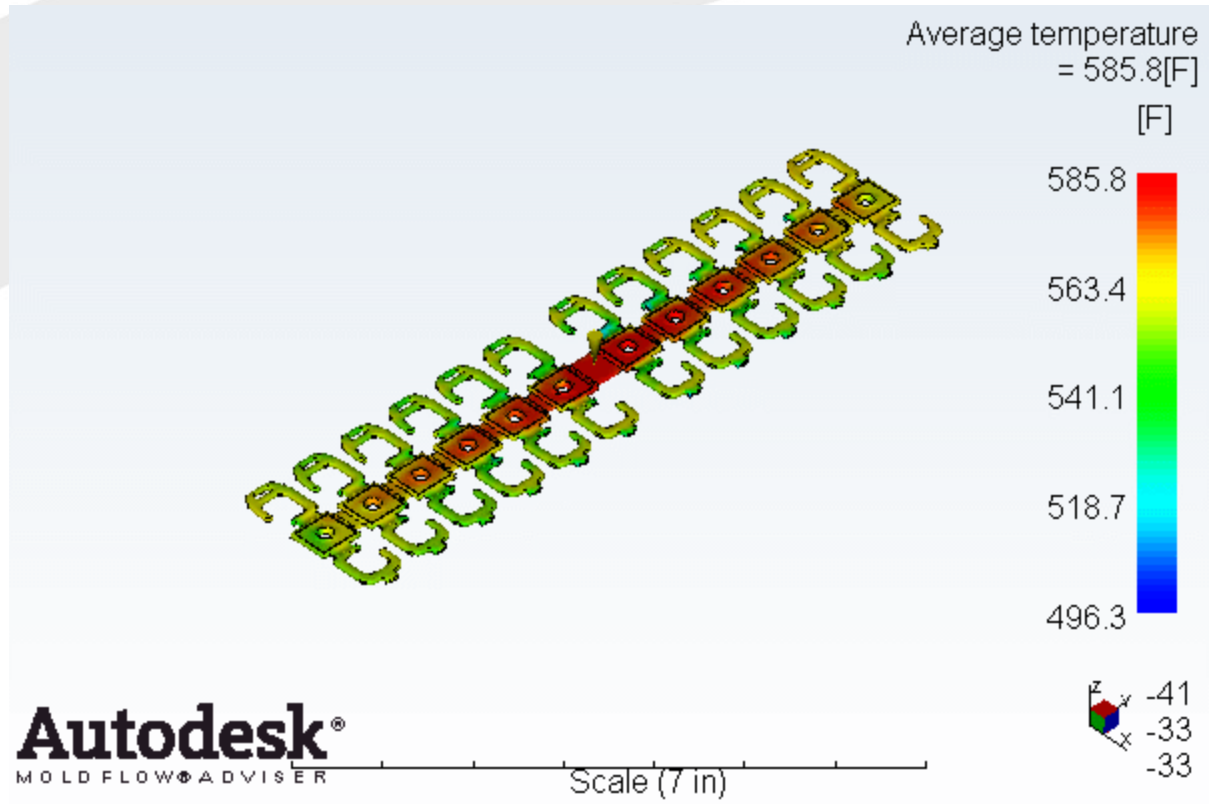
Pressure drop



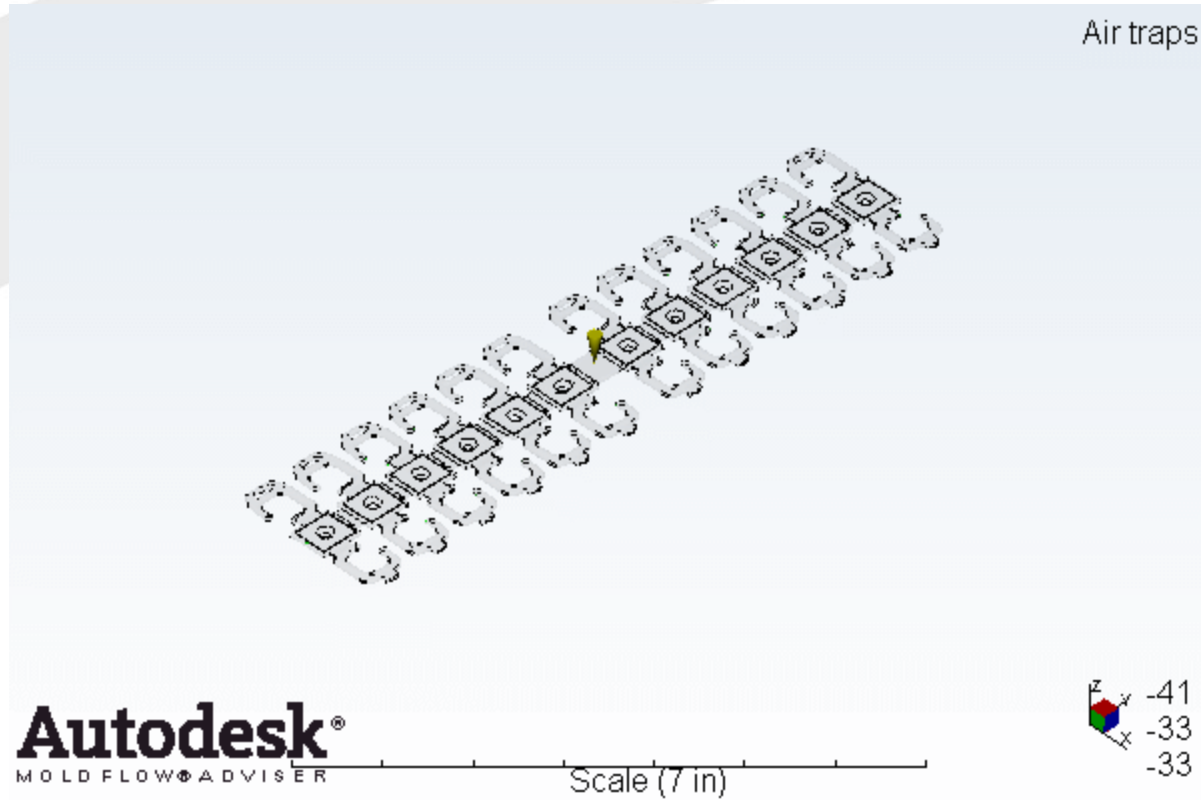
Temperature at flow front



Average temperature



Air traps



Weld lines

