

Click2Extrude™ Polymer 2017 Release Notes

Today's extrusion companies are required to coextrude profiles made of multiple polymers with metal inserts in shorter product development cycles while simultaneously reducing their production costs. Click2Extrude Polymer 2017 is a simulation tool developed to analyze and validate the design of these coextrusion dies and process.

The HyperXtrude solver enables production engineers to analyze material flow and heat transfer inside a die during extrusion to validate die designs which in turn helps to reduce or eliminate costly and time-consuming die trials.

Click2Extrude Polymer 2017 is easy to use CAD based interface. You won't be required to complete steps such as meshing or boundary condition creation manually. All these operations are completely done in the background with no user intervention.

Key Features

Key features of Click2Extrude Polymer 2017 include:

Automatic Model Setup

You only work with the CAD model. The steps required to do the computational analysis of extrusion is completely handled in the background with no user intervention.

Coextrusion Analysis

Click2Extrude Polymer 2017 can help analyze extrusion of one or more polymers. Up to five coextrusion layers are allowed.

Metal Inserts

In this release, inserts are modeled as a process condition. The insert condition is specified on the interface at which the polymer comes in contact with the insert.

Symmetric Models

Click2Extrude Polymer 2017 enables you to take advantage of the model symmetry and model either a quarter or an half or any symmetric section of the model.

Material Models

Click2Extrude Polymer 2017 comes with a built in material database. It also enables you to maintain your own database by adding, modifying and deleting material data in your own database. Commonly used polymer material models are supported.

Post-Processing

Results visualization for analysis types.