


Workflow for the MapTempOvermold Script

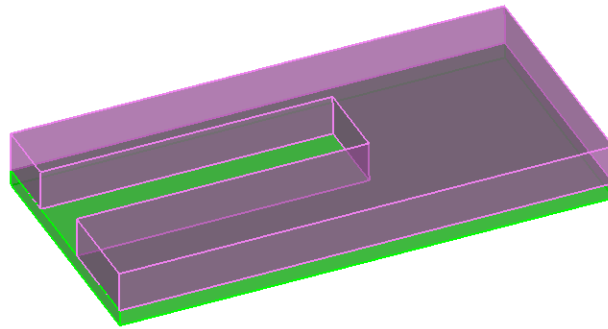
Description for three shots

(First analysis: Overmolding 2K includes 1st and 2nd shot;

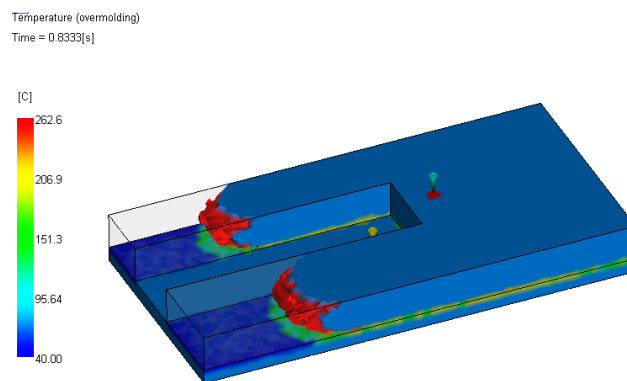
Second analysis: one shot fill; use the temperature distribution from analysis no. 1,) and overmold the 2K component.


First analysis: Overmolding 2K

1. Import the first CAD model; use  **Import**
Import an existing model This analysis can have one or two shots. In this example an Assembly that represents 2K is used:



2. Prepare the model as usual and start the analysis (Fill+Pack + Overmolding Fill + Overmolding Pack)



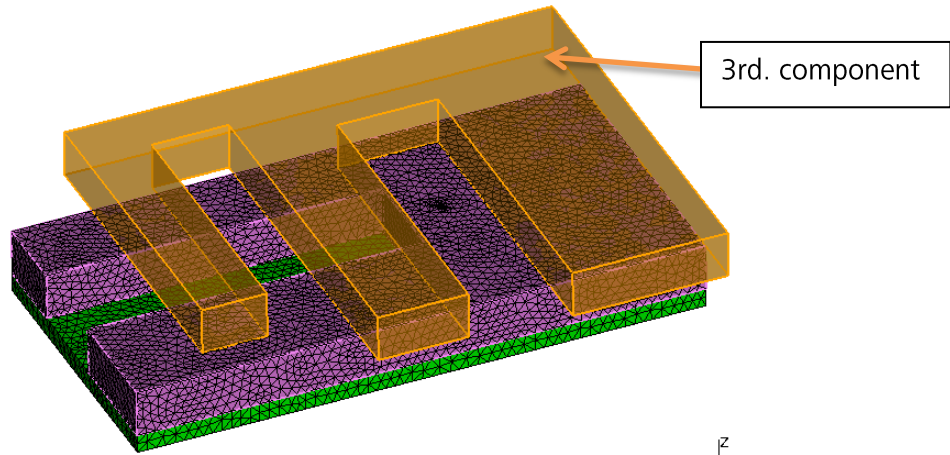
Tip: Before you run the analysis use the squeeze command Squeeze entity labels which is part of the  **Global Merge** command (available since Release 2015).

Second analysis: One shot fill to overmold the 2K component

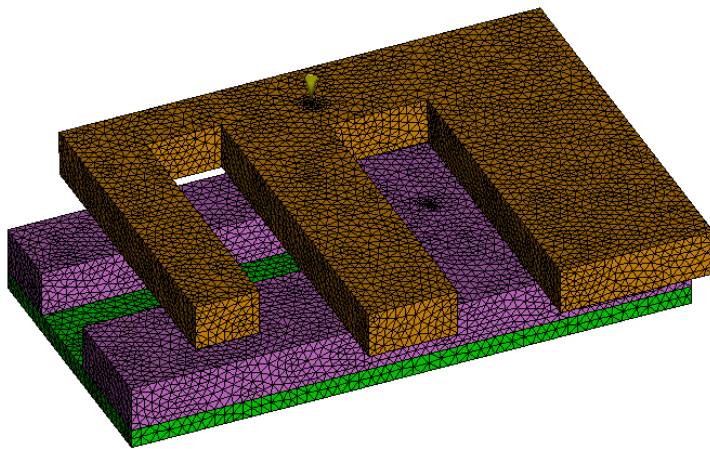
1. **Duplicate** the first study file.
2. Open the model.

3. Delete the injection cone(s) .

4. Add the 2nd CAD model; use **Add** Add an existing model to the study . Again, you can import either one or two additional shots.



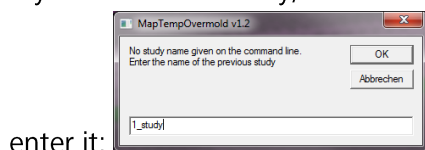
5. Prepare the model as usual. (No need to change the Properties for the 2K elements. That will be done by the script. Property will be "Part insert (3D)".)



Tip: Before you proceed use the squeeze command Squeeze entity labels which is part of the **Global Merge** command (available since Release 2015).

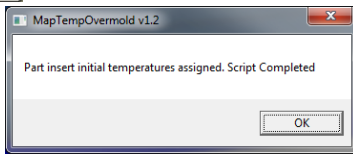
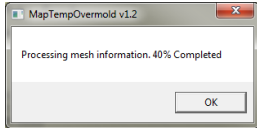
6. Run the MapTempOvermold script. Optionally, you can enter the name of the previous study file on the command line:

7. If you have not already, enter the name of the first study file, you will be prompted to



enter it:

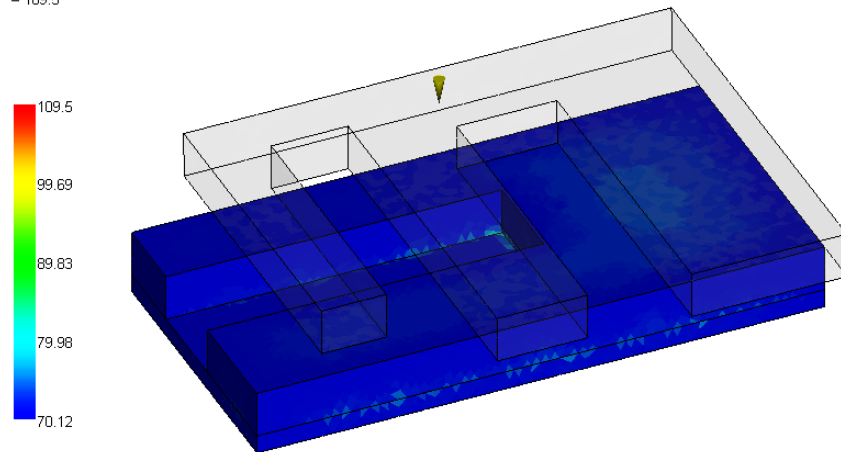
8. While the script is running you will receive information about the progress



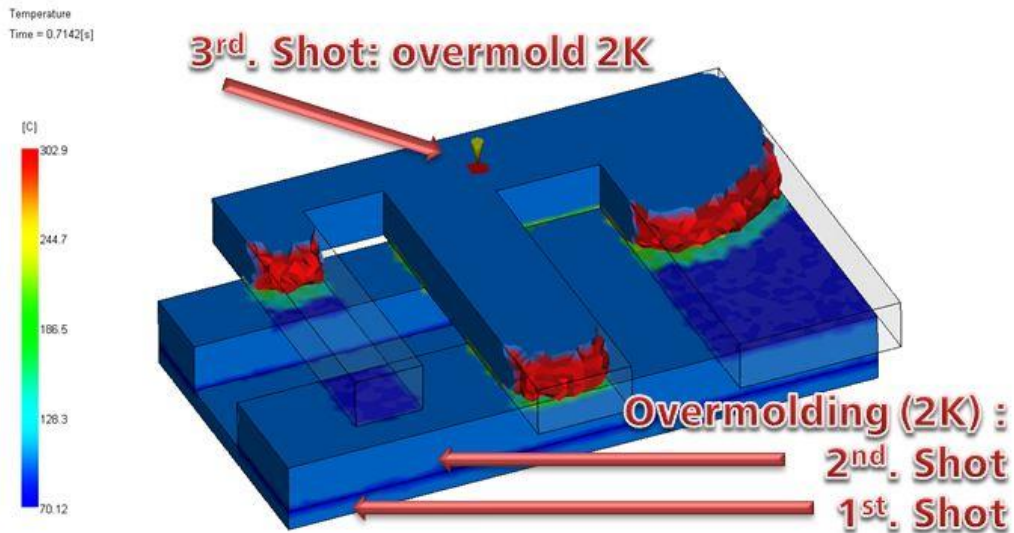
9. Script has finished:

10. Temperatures from the end of the first analysis are available as initial temperatures for the next analysis:

Part Insert Elements Initial Temperatures
= 109.5



11. Start the 2nd. analysis (Fill+Pack) (used in this example) or (Fill+Pack + Overmolding Fill + Overmolding Pack)



The picture shows an intermediate result