

Expert Solution-Oriented Simulation Strategy and Presentation

Qualification for certification:



- Professional since at least 1 year

Exam:



Examination success with structure

Before you take the exam, we evaluate your Moldflow activity profile by means of a pre-test and in a personal interview. Subsequently, a preparation training tailored to your individual needs will prepare you in the best possible way for the Expert exam.



- Preparation training: as needed
- Exam: 3 days (practical part + theory) plus report and presentation

Theory

Multiple-choice questions on mesh quality, workflow, and results interpretation.

Practical Part

Approx. 170 questions for solving warpage problems of a given component under given boundary conditions (choice between differently meshed components). Special evaluation is given to the solution method. A clear progress regarding the determination of the cause of warpage (e.g. orientation effects, cooling differences, etc.) must be evident..

Report

Basis of the report is a real work from the past years, for which a comparison between reality and simulation is available. As a minimum, the topics should include filling, cooling and warpage::

- Introduction and project description
- Workflow
- Model preparation and meshing
- Identification of problems and issues
- Discussion of the results, analysis of the problems and evaluation of the causes of warpage
- Optimization strategies
- Summary - Comparison of simulation vs. component / What the project has taught us

Live Presentation

In the live presentation, communication skills are assessed in addition to professional competence. Important points here are the comprehensible presentation and a qualified explanation of the results in pictures and words.