Anisotropic mechanics – Theory and hands on training

MFA
The Moldflow Academy

Contents:

- Causes and significance of anisotropy in short fiber reinforced thermoplastics
- Influence of fiber content, length and type, polymer, process and geometry on mechanical behavior
- Overview of material testing methods for the calibration of necessary material models
- Applying the learned content directly in the Software (Helius/Digimat)

Benefits:

- Acquire mechanical terminology and basis vocabulary
- Sensible application of different types of fillers and choice of polymer
- Prevention of over dimensioned structures due to conservative design criteria, by consideration of failure criteria or weld line strength
- Load-oriented process design for the improvement of process-induced properties

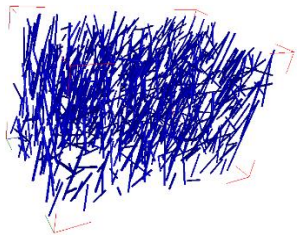
Areas of application:

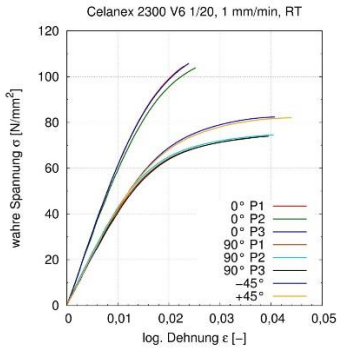
- Sensible use of integrative simulation: From injection molding process to anisotropic structural simulation
- The right experiments to determine required material data as well as the creation of own material models
- Decision-making aid for software acquisition

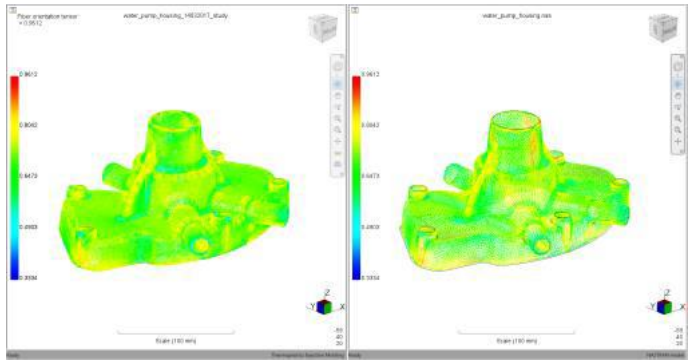
Target group:

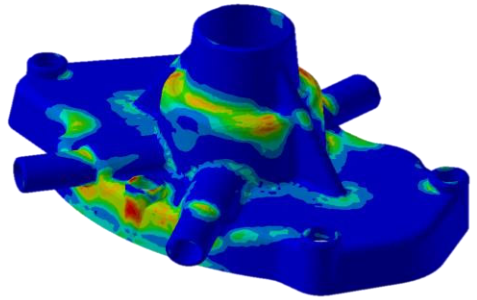
- Simulation Engineers, Product Developers, Moldflow Users

AUTODESK
Gold Partner
Value Added Services
Authorized Training Center
Authorized Certification Center









In house / Online training 4.800€

Open (online) group training at MFS (various Companies and industries) 1.600€ per participant

Duration 2 days

Your contact person at MF SOFTWARE:
Claudia Jehn
+49 6151 8504 - 111
Claudia.Jehn@moldflow.eu