



Comprehensive development service from a single source

Material cards and material data sheets – milestones for new development

We support the development of our customers from the material perspective.

Starting with the selection we offer all relevant steps for a successful material application. This includes compliance with legal requirements, chemical and mechanical characterization and the creation of elasto-plastic and failure material cards for simulation in CAE.

Material data sheets (MDS) / material restrictions

We evaluate and create material data sheets (MDS) from the development phase to series production in accordance with current legal requirements, such as REACH, EU End-of-Life Vehicle Directive ELV, etc. and ensure compliance with material restrictions. We also maintain and create databases for national and international applications such as IMDS and ECHA.

Material testing

Our laboratory carries out tests according to international test standards on the following topics:

- Thermo-chemical analysis
- Quasi-static tests
- Dynamic tests

The ISO17025 certification of our laboratory will take place in 2020.

Material characterisation in CAE

The close cooperation between our material laboratory and the simulation department enables us to offer our customers a comprehensive solution.

We create material cards reflecting the reality, adapt the material model to the needs of our customers and continuously optimize the test program.

YOUR ADDED VALUE

- *Support in the selection and in the evaluation of materials for the development*
- *Taking care about legal restrictions and data banks*
- *Many years of experience in material characterization, especially in the automotive industry*
- *Combined material testing and CAE expertise, close cooperation between the two departments for a comprehensive solution*