Functions and enhancements SIGMASOFT® 6.1.1

General development

- There is a new silicone material type for LSR and HTV.
- A new material model for the description of wall slip effects based on critical shear stress and critical pressure was added.
- The stabilization and speed of the solver have been improved.
- Curing Mold Open: Thermo-Couple can be set, if the degree of cross-linking is exceeded the mold opens.

SIGMAecon

- SIGMAecon has been further developed, for example, a project comparison is now possible.
- The optimizations lead to better results and use of the SIGMAecon.

Database

- **NEW! SIGMA Rubber Designer:** With the SIGMA Rubber Designer, a new generic elastomer database has been added to the database. This generic database makes it possible to approximate own elastomer compound and use it for the simulation in order to obtain realistic results quickly and efficiently without having to measure each formulation beforehand.
- The database contains new high-quality data sets of various elastomers based on precise laboratory measurements.
- A plot for meshing at constant heating rates has been added to the database.