

M-Base News No. 27, Feb. 2004

News from CAMPUS® and MCBASE®

The work on CAMPUS version 5.0 is about to be finished and we expect it to be distributed in February. Since CAMPUS can now be **downloaded** from the internet comfortably, the **distribution** will occur much faster than new versions in the past.

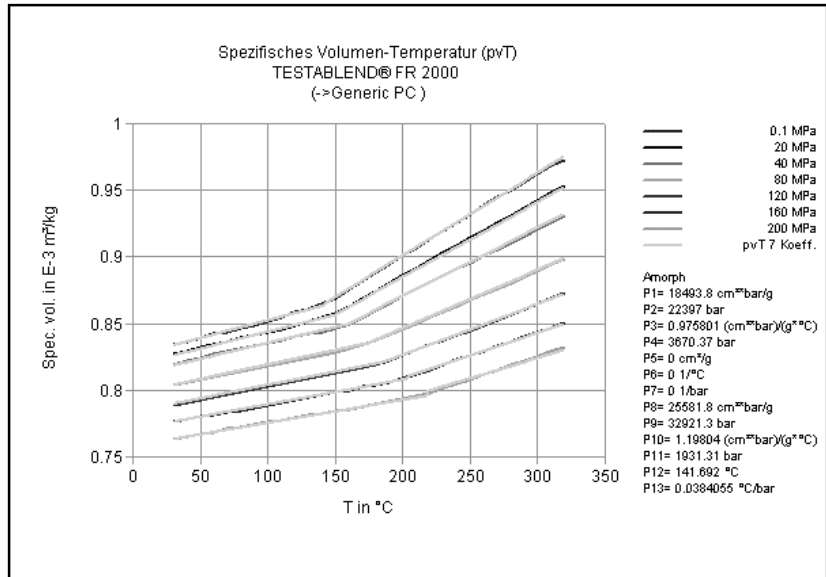
The substantial changes comprise of the fact that CAMPUS 5.0 is adapted to current Windows standards. Thereby a set of functional improvements is allowed and the software offers some functions, which are nowadays offered by many software products by default, whereby the use of CAMPUS will become simpler for most users. Furthermore a reorganization of the basic software will become accomplished at this occasion, a precondition for a whole series of later extensions.

The following important **new functions** and contentwise extensions are to be mentioned briefly:

- Up to three base polymers and two fillers can be referred per grade.
- The marking of materials becomes much more comfortable.
- A WebUpdate function is integrated in CAMPUS.
- The luminous transmittance is offered as a new material parameter.

Because of the new data structures CAMPUS 5.0 is no longer compatible with MCBASE 4.6 or older.

Therefore we will also offer a new version **MCBASE 5.0** presumably as of March. The substantial difference to older versions is the data compatibility to CAMPUS 5.0. We offer updates of MCBASE single user versions for Euro 200,-. Customers,



PVT Fit in MCBASE

who acquired a new version 4.6 after September 2003 receive special conditions, please contact our hotline.

Extended modelling possibilities

MCBASE offers, contrary to CAMPUS, a set of modules, which determine parameters for different **material models** from the physical properties. On this, some very fast and precise regression algorithms were developed. So far, these modules are available for the computation of viscosity parameters and creep parameters.

Pvt Fit

As the newest addition modules become available shortly, which adapt pvt curves according to two different models and determine the parameters. These parameters then act as inputs for **simulation** programs, in particular for the computation of shrinkage and warpage. In the first variant these modules will fit only diagrams from CAMPUS and this functionality will be added to MCBASE. Later, versions will be implemented,

which permit the import and the fit of arbitrary data records from pvt tests.

Further developments

At M-Base, the newest developments concentrate on the forming of models for the description of the mechanical behavior (in particular stress-strain curves at different temperatures) and curing procedures of thermosets. For this, new products can be expected as of summer 2004.

Information about MCBASE

MCBASE became a very widespread standard product in the meantime. MCBASE is available at the following conditions:

Single user version: 350,- Euro
5-User network version: 1.000,- Euro

Order forms are available under www.m-base.de.