

Knut Laumen, CEO of polymerphys IK GmbH

Knut Laumen, 48 years old, graduated engineer (Diplom-Ingenieur), works since 25 years as a specialist for plastics testing.

After his apprenticeship as a physics laboratory assistant in the plastics research department of the BASF, he completed a degree as Diplom-Ingenieur in applied physics at the university of applied sciences in Wiesbaden.

After studying he was responsible 11 years for the management of the testing laboratory of a global plastics producer. The tests were carried out for material development, production monitoring and research projects. In this function he was also responsible for the quality management of the test specimen preparation by means of injection molding.

In 2007 Knut Laumen founded his own company polymerphys IK GmbH. In Frankfurt am Main he operates a modern testing laboratory.

Its customers include plastic manufacturers, as well as processors from the pharmaceutical, automotive, electrical/electronics, household appliances and tool machines industry, but also test institutes and experts.

It identifies characteristics of plastics with mechanical tests such as tensile test, bending test, impact test, creep test in a temperature range between -80 °C and 250 °C. Before performing the test, he advises the customer with regard to the selection and preparation of the test specimen, also in case of complex components. With his staff he carry out the tests strictly according to international standards. On the other hand he also develops customer-specific test methods. He provides the expertise to customers and interested parties in seminars and training courses.

Knut Laumen uses high-quality equipment primarily from Zwick Roell. Equipment which is not available in the market, he also develops and manufactures by himself. The test laboratory is accredited according to ISO / IEC 17025.

The basis for the tests of plastics are internationally applicable ISO standards. Since 21 years, Knut Laumen is an active member of the national committee of DIN standards for plastic tests, for 18 years he leads this work group. The other members are specialists for plastic tests, as well as in management functions at the companies BASF, Evonik, Borealis, Zwick, Federal Institute for Material Testing in Berlin. He is also an active member of the corresponding ISO committees.

Knut Laumen is with his company a member of a tight network to customers, suppliers and other test institutes.

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