## K.I.M.W. NRW GMBH

**Foundation**
- 1988

**Budget**
- > 5,5 million €

**Employees**
- Approx. 60

**Branches**
- Support in all areas of plastics technology

**Key materials**
- Thermoplastic and thermoset materials

**Key products/services**
- Material testing and failure analysis
- Materials Engineering / New Materials
- Surface technology
- Process engineering and development
- Joint projects

**Contact**

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### Institute

The Kunststoff-Institut für die mittelständische Wirtschaft NRW GmbH (K.I.M.W.) combines tomorrow's scientific know-how with today's production capabilities. Our focus is on increasing the quality and economic efficiency – especially for injection moulded parts made of thermoplasic and thermoset materials. For that reason we offer a number of services for the benefit of our customers.
Our enterprise as a whole has been DIN EN ISO 9001 certified; the laboratory has been accredited to DIN EN ISO/IEC 17025.

### The Kunststoff-Institut Luedenscheid

- Provides support with the selection, development and optimization of products, moulds and processes in all areas of plastics technology
- Is focused on increasing the quality and economic efficiency in the plastics industry
- Was founded in 1988 as an extended workbench and is thus one of the most experienced service provider supported by an association of shareholders of approximately 170 companies
- Currently employs a staff of approximately 60 people
- Generates an annual turnover of more than 5,5 million euros
- Offers trainee- and internships

### Service

Our competences include:
- Materialselection / Material testing / Analysis
- Surface technology
- Process engineering and development
- Moulded part and mould optimization
- Joint projects, e.g. Appications of sustainable materials – technical use of bio-based materials

### Activities in the field of biopolymers

- Market research – evaluation and supply of information sources, databases or studies, etc.
- Material selection with the aid of checklists
- Rating the materials with regard to the processing conditions (material preparation, plastication, flow characteristics)
- Examination of constructive and mould specific issues
- Analysis of material properties (e.g. shrinkage or warpage)
- Material tests against the background of specific requirements from different industries – e.g. odourtest, fogging, aging tests (solar simulation, weathering, climate storage)
- Implementation of selected surface and decoration processes for the verification of the practicability (varnishing, 3iTech®) and implementation of proper surface characterisations


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