



Institute

The Kunststoff-Institut Lüdenscheld unites cutting-edge know-how with the latest production technologies to further boost quality and economic efficiency – particularly focusing on injection-moulded parts made of thermoplastics and thermosets.

The company is certified in accordance with DIN EN ISO 9001 and the laboratory is accredited in accordance with DIN EN ISO/IEC 17025:2000.

The Kunststoff-Institut Lüdenscheld

- Supports you in selecting, developing, optimising and implementing products, tools and processes in all areas of plastics technology
- Offers in-depth services in adjacent fields of polymer technologies regarding innovation, research and development within its business domains
- Was founded in 1988 as an “extended workbench”, which makes it the most experienced service provider in this sector
- Currently employs around 70 employees
- Generates an annual turnover of around seven million Euros each year

Service

Our competences include:

- Materials engineering/
New materials development
- Testing and Analysis
technology
- Surface technology
- Application engineering/
Process integration
- Mould technology/
Coating technology
- Strategic market development
- Education and Training
- Joint projects, e.g. “Applications of sustainable materials – technical use of biobased materials 2”



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

KUNSTSTOFF-INSTITUT LÜDENSCHELD

Foundation

- 1988

Budget

- > 7 million €

Employees

- Approx. 70

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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