

The complete service offering of TITK and OMPG is listed in the following overview:

Material testing of...

- plastics / compounds
- plastic parts
- plastic films
- fiber compounds
- foam plastics
- textile area-measured materials / nonwovens
- fibers / yarns / filaments
- leather / leatherette
- rubber
- polymer solutions
- electrical and electronic equipment with take-back obligation

... in the fields of

- physical - mechanical tests / rheology
- chemical analysis (analysis of materials and hazardous substances)
- microscopy
- thermal characterization
- color determination
- determination of electrical properties
- optical tests
- particle analysis
- dynamic ESR-spectroscopy

Subsequent processing of materials

- production of nonwovens (needled, wetlaid, spunbonded nonwovens)
- composite production (compression molding, injection molding, filament winding)
- production of laminate
- melt, wet and dry spinning

Visit us on www.titk.de for more details.

Contacts

Dr.-Ing. Renate Lützkendorf
Head of the Textile and Materials
Research Department

Textil- und Werkstoff-Forschung
phone: +49 (0) 3672 - 379 - 300
fax: +49 (0) 3672 - 379 - 379
email: luetzkendorf@titk.de

Dr.-Ing. (TU) Thomas Reußmann
Research associate

phone: +49 (0) 3672 - 379 - 310
fax: +49 (0) 3672 - 379 - 379
email: reussmann@titk.de

Material testing

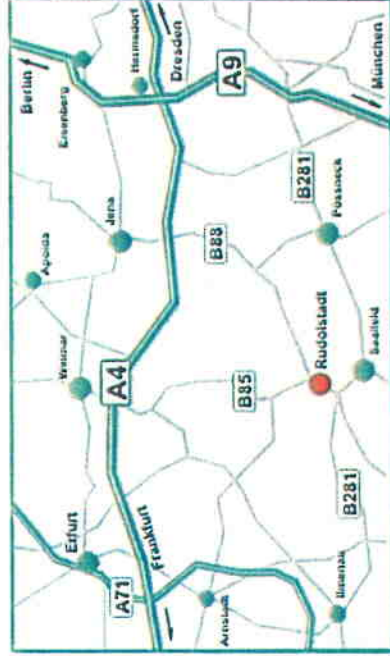
Dipl.-Ing. (FH) Christian Hauspurg
Research associate

phone: +49 (0) 3672 - 379 - 341
fax: +49 (0) 3672 - 379 - 379
email: hauspurg@titk.de

**Thüringisches Institut
für Textil- und
Kunststoff-Forschung e.V.**

**Ostthüringische
Materialprüfengesellschaft
für Textil und Kunststoffe mbH**

Breitscheidstr. 97 phone: +49 (0) 3672 - 379 - 0
D-07407 Rudolstadt fax: +49 (0) 3672 - 379 - 379
Germany www.titk.de info@titk.de



**Thüringisches Institut
für Textil- und
Kunststoff-Forschung e.V.**

**Faserverbund-
Werkstoffe**
Werkstoff- und
Verfahrensentwicklungen

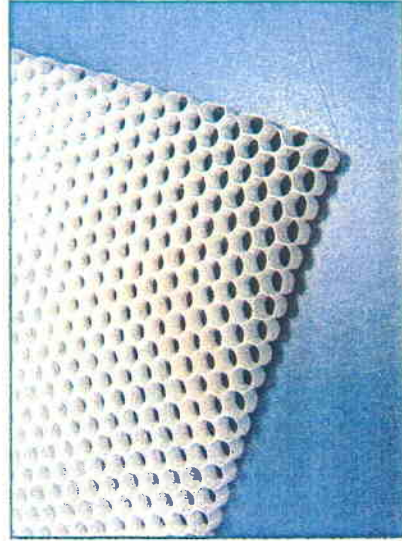


Composites
Material and
process development

Forschung und Entwicklung Research and development

Material und Verfahrensentwicklung Material and process development

- Schlagzähmodifizierung von Naturfaserverbunden
Impact-modification of natural fiber composites
- Herstellung von Langfasergranulat
Manufacturing of long fiber granules
- Verarbeitung von Naturfasern im LFT-D-Prozess
LFT-D-processing of natural fibers
- PP/PP-Einstoffverbunde
PP/PP single polymer composites
- Recycling von Hochleistungsfasern
Recycling of high tech fibers
- Herstellung von Aramidgranulaten
Manufacturing of aramid fiber granules



PP-Wabe für Sandwichverbunde
PP-Honeycomb for sandwich-composites

Werkstoffentwicklung Material development

Formpressen Compression molding



Sandwichherstellung Honeycombs



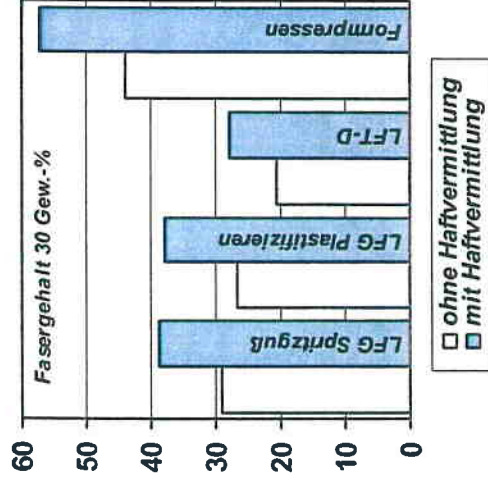
Naturfaser-spritzguss Injection molding



LFT-Direktverarbeitung LFT-D-compounding



Zugfestigkeit [N/mm²] Tensile strength [N/mm²]



Eigenschaften von flachfaserverstärktem PP
Properties of flax fiber reinforced PP

Verfahrenstechnik Processing

Wickeltechnik Filament winding



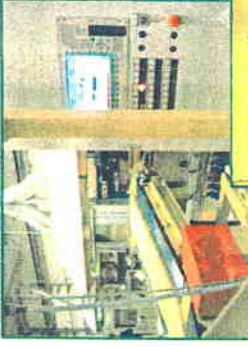
Granulatherstellung Manufacturing of granules



Verbundprüfung Composite testing



Holzfaser-LFT-D Wood fiber LFT-D



Vliesherstellung Manufacturing of nonwovens

