



**PPM**

Pilot  
Pflanzenöltechnologie  
Magdeburg e.V.

Renewable resources expand into modern materials as new polymers, as reinforcing fibres or as additives to improve application and processing properties.

Our competence and experience comprise using natural fibres, vegetable oils and plant proteins within plastics applications.

## Natural fibres

- Enzymatic treatment of natural fibres
- Development of natural fibre reinforced composites and parts
- Determination of fibre properties

## Compounding

- Development of compounds using
  - conventional polymers
  - polymers from renewable resources
  - biodegradable materials and
  - reinforcing fibres (natural and synthetic fibres)
  - organic and inorganic fillers
  - additives
- Optimisation of processing parameters
- Manufacture of samples and specimens
- Determination of compound properties

## Plastic additives

- Modification and derivation of vegetable oils and plant proteins (chemical, enzymatic)
- Optimisation of application and processing properties



toolbox-design, magdeburg 11/2008

## OUR SERVICES

- Contract research
- Laboratory and pilot scale processing
- Sample production
- Studies
- Training and further education



## Contact

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