H. Hiendl GmbH & Co. KG

Foundation
- 1964

Employees
- 60

Branches
- Plastic engineering
- Compounding
- Tool shop

Key materials
- Hiendl NFC

Key products
- Semi-finished and finished goods using extrusion methods and injection moulding

USP
- Own tool shop
- Own compounding

hiendl
wir formen ideen

Company

H. Hiendl GmbH & Co. KG is a modern producer and service provider in the field of plastic engineering. The company, located in Bogen/Furth near Straubing in Lower Bavaria, employs a little more than 60 staff.

Hiendl makes products and components using injection moulding and extrusion methods. Our designs are partly based on the ideas of our development staff, but partly also on customers' ideas. Besides conventional polymers, we increasingly use natural fibre reinforced plastics. In addition to products and components, Hiendl also develops materials according to precisely defined customized property profiles.

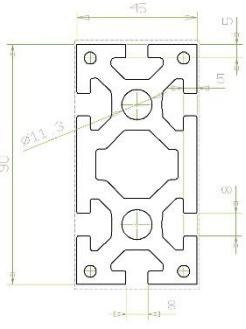
Our development competence reaches back more than forty years. Before Hiendl started to produce plastics, the company had been providing services in various fields of engineering science. The continued successful commitment in that line is reflected in a highly diverse range of product and material developments, supported by numerous patents and utility models.

Innovative Biomaterials

For some years now, H. Hiendl GmbH & Co. KG has been intensively concerned with the development of innovative materials. The central issue in terms of research and development activities has been the quality-oriented use of renewable raw materials. Proof of the success of that commitment is providing by the Hiendl NFC product line – an array of natural fibre reinforced plastics which, thanks to their versatile property profiles, are excellently suited for a broad spectrum of products.

Products and processes have been originated by our own research and development department. All process steps, including compounding, are carried out on our own premises by means of modern machinery.

Hiendl NFC (natural fibre composite) materials consists of synthetic polymers and renewable raw materials. The pioneer procuct is Hiendl Xylomer, in which wood is the crucial natural fibre material. Other natural fibres are added for the differentiaded design of qualities.

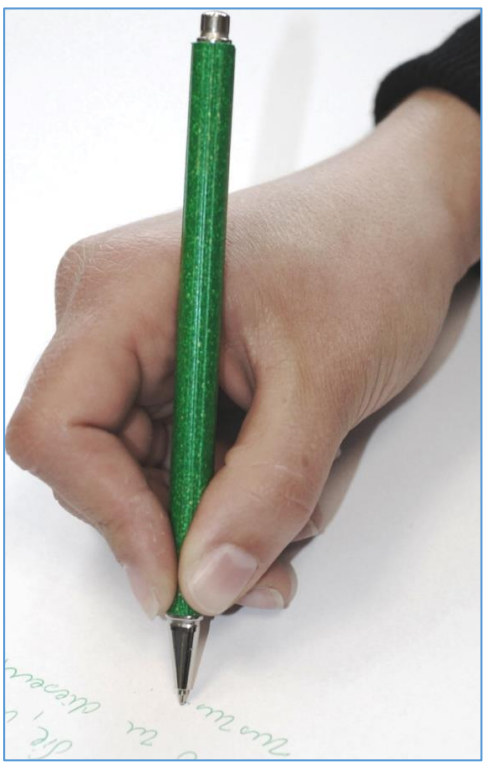


Contact

H. Hiendl GmbH & Co. KG
Industriestr. 5+6
94327 Bogen/Furth
Germany
+49 (0) 9422 85 18 0
info@hiendl.de
www.hiendl.de

Contact person

Ulrich Kizak
+49 (0) 9422 85 18 27
u.kizak@hiendl.de



Excellent Qualities

In comparison with alternative synthetic materials, Hiendl NFC materials stand out above all by virtue of their excellent solidity. With over 70 N/mm^2, these materials can be more than twice as strong as polypropylene. With appropriate design, rigidity can reach over 5,500 N/mm^2, which is more than three times the value of polypropylene. By reinforcement with natural fibres, it is possible to achieve rigidity values as we know them from glass fibre reinforced polyamide.

Beeing very light in weight, Hiendl NFC materials recommend themselves in many cases as substitutes for aluminium. They have impressive ecological qualities, and their value for money is remarkable.

In comparison with natural source materials, in particular wood, Hiendl NFC materials convice through their superior formability. Owing to the way they are processed, their surfaces are immediately ready for use, so that no painting or coating is actually required.

Designing Individual Property Profiles

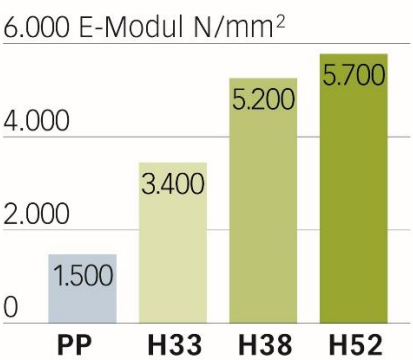
Depending on the raw materials used and on quantity ratios, Hiendl´s sophisticated process technology can create a large variety of very specific property profiles. We have been doing research on the use of natural fibres such as hemp, flax, various woods and many others. The property profiles of this ground-breaking composite material is marked both by the properties of the synthetic and natural materials used as well as by the quantity ratios applied.

Comparison of Materials

	Plastics	Wood Fibres	Processing Method
PP	100%	0%	Extrusion/Injection Moulding
H33	50%	50%	Extrusion/Injection Moulding
H38	30%	70%	Extrusion
H52	30%	60%*	Extrusion

*plus additional natural fibres

Flexural modulus DIN EN ISO 178



Flexural strength DIN EN ISO 178