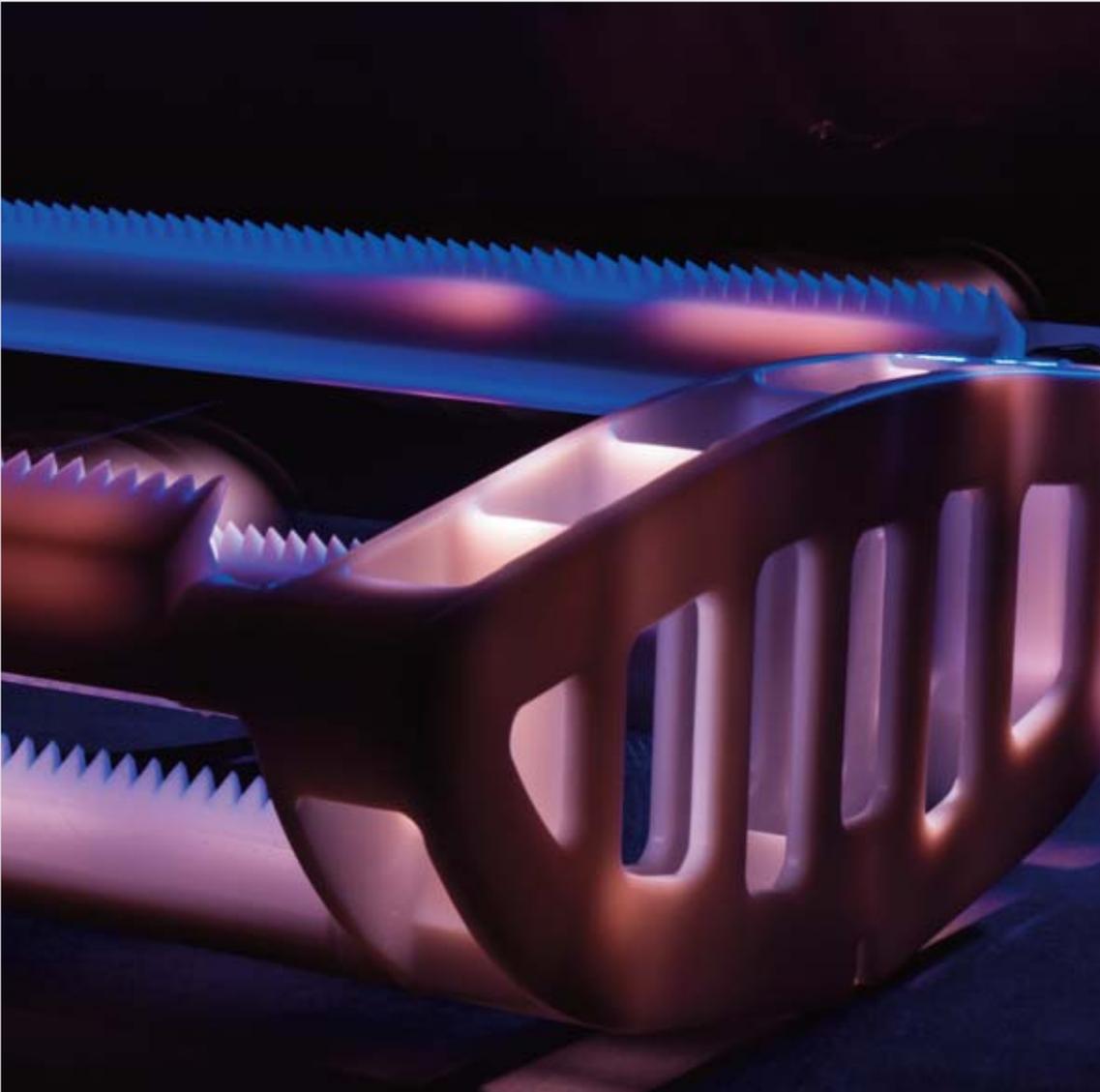


PTFE structural components...

... with unrivaled properties



**Intelligent plastics solutions
for unmistakable results**

High-tech plastics solutions – if the customer wants something, we make it possible!



Beichler + Grünenwald designs, develops and produces innovative plastics solutions in the material PTFE.

We are a medium-sized family business boasting extensive expertise and decades of experience in the production of customer-oriented semi-finished products, extrudates, coatings and special shapes for a wide range of industrial sectors and application fields.

An in-house design office combined with a superbly equipped production center with a high-end machine park allow us to produce large or small series of technically challenging finished parts based on a drawing or sample. Our committed team of experienced employees supports our customers with technical expertise and a high level of service.

We are always willing to take unconventional routes and to accept new challenges. By combining the unbeatable properties of PTFE with other materials and substances to form new high-performance products, for example.

We are happy to be guided by the challenging specifications of our customers in this respect. Our motivated and rigorous team develops chemical formulations, designs customized tools and employs a wide range of technologies to produce the required results.



Our goal is to exploit the huge versatility of PTFE and to derive benefit from this material.

Innovative spirit, creativity and the ability to implement ideas are always governed by the objective of creating a profitable and customer-oriented solution.

Large machine park for perfect further processing

B+G fulfills the challenging requirements of its customers to the highest possible levels of quality and precision thanks to a state-of-the-art machine park. The diversity of the machinery makes it possible to further process both the semi-finished products manufactured in-house and purchased raw materials or products supplied by the customer, such as rods, hollow rods, special profiles, unfinished parts, plates, foils, liners, coatings, etc.

When it comes to machining operations, B+G boasts several machining centers for turning and milling. Equipped with the latest CNC controls and flexible multi-axis technology, they can be used to produce even very complex components quickly and economically. State-of-the-art test and measurement machines perform centralized functions in the sustained quality assurance system.

The in-house automatic lathe enables B+G to produce a wide range of different components. Turned parts from 2 to 1200 mm in diameter and milled parts from 10 to 1600 mm in diameter can be machined without any problem. Slim profiles up to 20 meters in length can also be milled.

We also have production equipment for finishing surfaces by means of polishing, barrel finishing and plastic coatings. Coatings prevent the adhesion of undesired substances or protect the components against chemical agents. These processes are frequently used for finishing parts supplied by the customer.

The B+G purity law

B+G works exclusively with high-grade materials from reputable and reliable global suppliers. This provides us with the best possible foundation for the production of first-class semi-finished products for our customers.



Customer-oriented production of complex modules

B+G's expertise is not limited to the production of excellent PTFE individual parts. We also supply customer-specific modules made of different parts and materials, all from a single source. In addition to assembly of the parts, further processing operations are usually involved, such as thermal reforming, welding, laser marking, ultrasonic cleaning and the like.

High-caliber team for tailor-made products

Amidst all of this technology, the person as the planner and source of ideas is the main focus of our services. Industry-specific technical expertise and in depth know-how are incorporated into both the programming of the machine park and the definition of the processing sequence. Theoretical and practical competence in the field of efficient and customer-oriented product development are B+G's real assets.

Our employees have many years of valuable experience in the processing of our extensive product range. Some of them have been with us for over 30 years. Furthermore, B+G continuously invests in training for young people wishing to become skilled workers and also supports them in their further development as they move towards management posts in the company. This is how we ensure consistently high quality for our customers' assignments, now and into the future.

Laser branding

We use the latest laser techniques to label our PTFE products, thus ensuring that they are unmistakable and traceable. This allows our customers to reliably and conclusively verify the origin and quality of our semi-finished products and extrudates.



Structural components from B+G – diversity of form and application



PTFE/PFA and ETFE properties...

... an overview

WA B-E-R-G.de/6.2015 engl.

Property	Unit	PTFE pure white	PTFE TFM 1600	PFA	ETFE
Tear strength	N/mm ²	>23	>28,5	>31	>44
Tensile elongation at break	%	>260	>300	>300	>200
Hardness	Shore D	>54	>56	>60	>60
Elastic modulus	N/mm ²	550	650	690	690
Continuous thermal stability	°C	-200 +260	-200 +260	-200 +260	-190 +155
Density	g/cm ³	2,12 - 2,20	2,12 - 2,20	2,15	1,70



Our certifications

Beichler + Grünenwald has been certified according to the DIN EN ISO 9001 quality management system since 1996. Our products comply with nearly all quality standards and norms. Our archive organization allows us to create 3.1 inspection certificates according to DIN 10204 and/or declarations of conformity at any time - even retrospectively - at the customer's request based on the material certificate and the material inspection number. Moreover, we will be one of the first PTFE processors with this specific certification once the migration tests that are currently in progress for approval according to EU 10/2010 are complete.

It's all in the mix!

Beichler + Grünenwald employs innovative methods to design, develop and produce extrudates, semi-finished products, coatings and special shapes for customers worldwide. Leading plastics technology is born out of Swabian inventiveness combined with a commitment to the location and the people of the region.

Extrudates/Semi-finished products



Coatings



„There is Pow(d)er inside“

We advise you...
...develop with you...
...produce results...

in accordance with the B+G PTFE purity law.

Special shapes



Special mixtures

