THE SPECIALISTS FOR
THERMOPLASTICS & ELASTOMERS

LIGHTWEIGHT CONSTRUCTION APPLICATIONS WITH BADA SOLUTIONS

- Solutions based on various engineering thermoplastics such as PA6, PA66, PPA, PPS, among others
- Compounds on carbon fibres, glass beads and other fillers available
- Metal substitution with highly filled PPA and PPS compounds practicable
- Customized additives for and modification of the compounds
- Colouring in all popular colour shades possible

WEIGHT REDUCTION WITH PLASTIC COMPOUNDS – BADA MAKES IT HAPPEN

Lightweight construction is a topic you cannot do without in the field of mobility – neither with regard to classic automotive engineering, nor in the continuously growing sector of electromobility, nor in aviation. Decreasing component weights help to reduce the total weight and thus energy consumption realizing a sustainable mobility.

Solutions on the basis of plastic compounds made by Bada will help you to advance this most important future technology. No matter if you are interested in substituting metal by plastic or reducing the weight of an existing plastic component – with Bada you have found the ideal partner to develop your specific customized solution with you.

The specific compound weight can be significantly reduced by using hollow glass beads without having an adverse effect on mechanical properties.

Carbon fibres achieve a very high rigidity in compounds in combination with a **25% weight reduction** compared to glass fibre filled compounds. In addition, carbon fibres provide the compounds with **antistatic properties**.

When every gram counts for a sports shoe, Bada has already assisted in finding successful solutions in the field of leisure activities.

We are looking forward to accepting the challenge, contact us and discover the fascinating opportunities in the field of lightweight construction!

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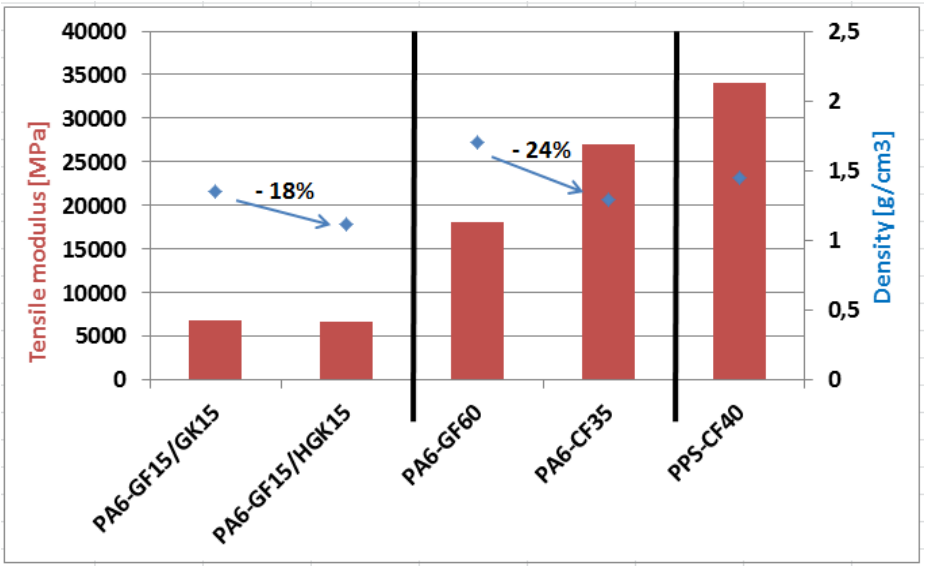
A FEW EXAMPLES OF OUR PRODUCT SOLUTIONS



As you can see, the number of possibilities is almost unlimited.
The specific weight of **Badamid B70 GF15/GK1** is reduced by a substantial 18%, retaining its rigidity**.**
Badamid B70 CF35 weighs almost 25% less than PA6-GF60; in addition, it shows antistatic properties and enhanced rigidity.

Badatron PPS CF40 is our state-of the art flagship product in metal substitution. It is the ideal compound for metal substitution with its rigidity to density ratio achieving the same values as aluminium and its excellent chemical resistance.

Customized modifications are available on request.
Please contact our Application Technology Department!

BADAMID®
PA6, PA6.6, PA6.6/6

BADAMID®
PA6/6T, PPA, PA4.6, PA10T

BADAMID®
PA12, PA612, PA610

BADATECH HT®
HOCHLEISTUNGS-COMPOUNDS

BADATRON®
PPS

BADAFLEX®
TPE-S (SBS, SEBS)

BADAFLEX®
TPE-E, TPU

BADAPRENE®
TPV (EPDM/PP)

BADADUR®
PBT, BLENDS

BADALAC®
ABS-SPEZIALITÄTEN, BLENDS

BADAFORM®
POM

BADALON®
PC-SPEZIALITÄTEN, BLENDS

BADAPROP®
PP-SPEZIALITÄTEN, BLENDS

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