

COMPOUNDS BASED ON POLYPHENYLENE SULFIDE



BADATRON® PPS

- High heat distortion temperatures > 250 °C
- Melting temperature approx. 295 °C
- Maximum dimension stability, almost no hygroscopicity
- Excellent chemical resistance
- Filler contents available up to approx. 50 %
- Maximum rigidity and strength
- Inherent flame resistance (UL94-V0 @ 1.5 mm)

WHEN RESISTANCE MATTERS

With Badatron PPS, its high-performance compounds, Bada AG provides its customers with material solutions for parts exposed to extreme thermal conditions and aggressive substances.

Glass-fibre reinforced Badatron compounds shows dimensional stability under heat beyond 250 °C. These compounds (as opposed to polyamides) are extremely resistant to acids and bases due to their specific chemical structure. Another advantage of Badatron PPS is its negligible hygroscopicity and its excellent dimensional stability, making it the ideal material for the production of precision parts. For tribologically stressed parts, Bada AG offers PPS compounds with PTFE modification. Additional glass fibre reinforcement provides for high rigidity.

Specific solutions are our standard – together with you, we will develop the product solution you require.



► **FOR QUESTIONS OF DETAIL, PLEASE CONTACT OUR APPLICATION TECHNOLOGY DEPARTMENT.**

COMPOUNDS BASED ON POLYPHENYLENE SULFIDE

EXAMPLES OF USE FOR BADATRON PPS

Badatron	PPS GF40	PPS GF40 TF5
Modification	Glass fibre	Glass fibre + PTFE
Deflection temperature (1,8 MPa)	> 250 °C	> 250 °C
Resistance to acids and bases	Very good	Very good
Hygroscopicity	< 0.1%	< 0.1%
Flammability	V-0 @ 1.5 mm	V-0 @ 1.5 mm
Examples of use	Pump casings, water meter, vehicle parts	Plain bearings, rotors, blades, impellers

These two types only represent a small selection of our Badatron portfolio.

THE FOLLOWING MODIFICATIONS ARE AVAILABLE ON REQUEST

- Glass fibre, glass bead or mineral filling
- Carbon fibre modification for maximum strength
- Impact modification
- Types for contact with food or drinking water

**CUSTOMIZED MODIFICATIONS ARE AVAILABLE ON REQUEST.
PLEASE CONTACT OUR APPLICATION TECHNOLOGY DEPARTMENT!**

BADAMID®

PA6 PA66 PA66/6 PA6/6T PPA
PA46 PA9T PA12 PA612 PA610

BADATECH HT®

HIGH-PERFORMANCE COMPOUNDS

BADATRON®

PPS

BADAFLEX®

TPE-S | TPU | TPE-E

BADAPRENE®

TPV (EPDM | PP)

BADADUR®

PBT | BLENDS

BADALAC®

ABS-SPECIALITIES | BLENDS

BADAFORM®

POM

BADALON®

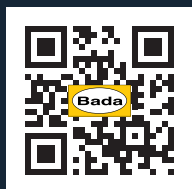
PC-SPECIALITIES | BLENDS

BADAPROP®

PP-SPECIALITIES



Management System
ISO/TS
16949:2009
www.tuv.com
ID 0910280079



Bada AG | Untere Strut 1 | 77815 Bühl/Baden | Germany
Fon: +49 7223 94077-0 | Fax: +49 7223 94077-77 | info@bada.de

Bada Hispanaplast S.A. | Pol. Ind. Sepes | Ronda de la Industria, n° 153 | 22006 Huesca | España
Fon: +34 974 239774 | Fax: +34 974 243969 | info@bada.com.es

www.bada.de