



THE SPECIALISTS FOR
THERMOPLASTICS & ELASTOMERS

BADA SPECIAL POLYAMIDES

BADAMID®

PA12 | PA612 | PA610

- **PA12** compounds for highest demands on resilience, flexibility and chemical resistance
- **PA612** or **PA610** compounds for both high heat distortion temperatures and good chemical resistance
- Very good impact resistance properties
- Very low hygroscopicity for parts requiring dimensional stability
- Customized colouring
- Available as flame retardant, with impact modification, softened and stabilised

FLEXIBLE, CHEMICAL RESISTANT, DIMENSIONALLY STABLE

Special polyamides like PA12, PA612 or PA610 are used when conventional PA materials do not suffice with regard to chemical resistance, mechanical properties or an excessive hygroscopicity.

Badamid PA12 GM30 H S2, which is listed with UL, does not only show extreme chemical resistance; parts made from it can be autoclaved with superheated steam due to a special stabilization. Even after 100 sterilisation cycles the material will neither show any visual modification nor a deterioration of mechanical properties. For applications in the field of medical engineering, the material can be dyed with medical NCS colours.

We have developed a halogen-free flame retardant Badamid PA12 GF30 TM-Z1 FR HF natural S4 with flame class UL94-V0 for casings that require flame retardancy in addition to chemical resistance.

The appeal of Badamid PA612 H UV lies in its excellent dimensional stability under heat and its resistance to numerous cleaning agents.



► **FOR MORE CUSTOMIZED MODIFICATIONS PLEASE CONTACT OUR APPLICATION TECHNOLOGY DEPARTMENT.**



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BADA SPECIAL POLYAMIDES: PA12, PA612, PA610

A SMALL SELECTION OF OUR PRODUCT RANGE AT A GLANCE

Modification	Properties
GF/GK/M	Glass fibre, glass bead or mineral filling for higher rigidity and lower shrinkage
FR HF	Halogen-free, flame retardant, UL94-V0, GWFI 960°C
H (UV)	Heat- and UV-stabilized, special types can be autoclaved as finished part
TM-Z	Impact modified for parts subject to high mechanical stress
FM-Z	Softened for flexible and highly flexible moulded parts
CF	Types filled with carbon fibre for maximum rigidity and conductive parts
AS	Antistatic types
EX	PA12 types with higher viscosity for extrusion applications

BADAMID PA12 GM30 H S2 IN DETAIL

Tensile modulus	4000 MPa
Yield stress	65 MPa
Nominal elongation at break	12%
Charpy impact strength	80 kJ/m ²
Charpy notched impact strength	12 kJ/m ²
Density	1.2 g/cm ³

- Listed with UL in ALL COLOURS
- Flame class HB (0.8mm)
- Excellent mechanical properties
- High dimensional stability
- Can be sterilised with superheated steam
- Available in medical NCS colours

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

BADAMID®

PA6 | PA6.6 | PA6.6/6 | PA6/6T | PPA
PA4.6 | PA10T | 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
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GEPRÜFTES
UMWELTMANAGEMENT
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