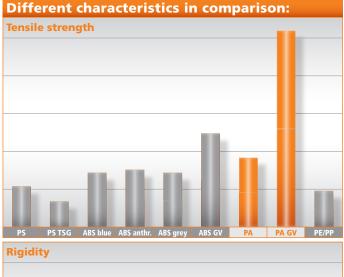
HÄFNER – a standard for quality and precision

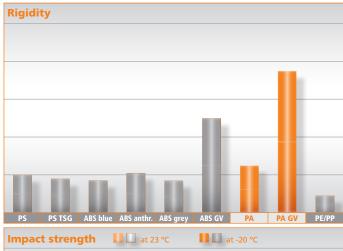
Polyamide (PA)

Material Data Sheet

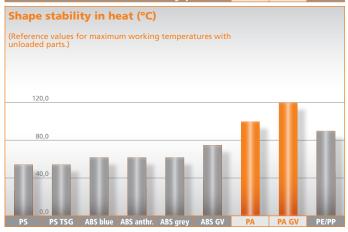












△ Abbreviation:

PA = Polyamide

PA GV = Glassfibre reinforced polyamide

□ Colours:

Basic colours: anthracite, natural (uncoloured) Other cover colours available on request.

☑ Physical characteristics:

Tends to absorb water (increase of volume). When conditioned (content of moisture balanced) the PA material is ductile and rigid, when dry (fresh-shot) it is brittle. Glassfibers improve the strength and rigidity.

■ Texture:

semi-crystalline

□ Density:

PA = 1,10 - 1,15 g/cm³ **PA GV** = 1,30 - 1,40 g/cm³

□ Coefficent of thermal expansion:

PA = $7 - 10 * 1/K * 10^{-5}$ **PA GV** = $2 - 3 * 1/K * 10^{-5}$

△ Absorption of water:

PA = 3,0 - 4,0 % PA GV = 1,5 - 2,5 %

□ Chemical resistance:

good chemical resistance

▶ Resistant:

e. g. against oils, grease, alcohol, ester and aromatic hydro carbons.

▶ Not resistant:

e. g. against oxidation compounds, acids and substances containing acids.

□ Gluing:

Gluing of these parts is possible with suitable adhesive products.