

## CHARACTERISTICS CORE MATERIALS

POLYAMIDE					
	PA6	PA6 GF25 25% glass fibre	PA6.6	PA6.10	PA6.12
Specific gravity g/cm <sup>3</sup>	1.14 g/cm <sup>3</sup>	1.32 g/cm <sup>3</sup>	1.14 g/cm <sup>3</sup>	1.08 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>
Melting point	220°C	220°C	260°C	215°C	175 - 180°C
Temperature - Continuous use	90 - 110°C, depending on the load	130°C	140 - 160°C, depending on the load	110°C	110°C
Temperature - Short time use	180 - 200°C	200°C	200°C	160°C	150°C
Minimal temperature of use	-40°C	-40°C	-40°C	-40°C	-70°C
Wasseraufnahme bei 23°C / 50% RH in %	2.5 - 3%	2.3%	2.5 - 2.8%	0.4%	0.4%
Moisture absorption after saturation in water at 23°C in %	9.5%	7.1%	8.5%	3%	2.8%
Flammability UL 94	HB	HB	V-2	V-2	HB

CHEMICAL RESISTANCE (AT 20°C)					
	PA6	PA6 GF25 25% glass fibre	PA6.6	PA6.10	PA6.12
Benzine	•	•	•	•	•
Alkalis	•	•	•	•	•
Oils	•	•	•	•	•
Acids	•	•	•	•	•
Tetrachlorocarbon CCl <sub>4</sub>	•	•	•	•	•
Trichloorethylene C <sub>2</sub> HCl <sub>3</sub>	•	•	•	•	•

**Legend**      • resistant      • conditionally stable      • unstable

Information is based on data provided by suppliers of our raw materials, who state: „we believe it to be true and accurate, but no warranties are expressed or implied regarding its accuracy or the performance of any product. Testing is recommended for critical applications“.

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