

PA6

Color - white

PA6 (Polyamide) is a thermoplastic based on cast polyamide. Has excellent hardness and elasticity parameters. Therefore, it is often used in the manufacture of guide, back-up and support elements in the combined profiles of seals and rings, where the high degree of sliding is required. Considering the low performance in moisture resistance, it is not recommended to apply PA6 in media saturated with water.

PA6 Material Data Sheet

Properties	Value	Unit	Standard
Hardness	85	Sh D	ISO 868
Density	1,13	g/cm ³	DIN 53479
Ball indentation hardness	153	N/mm ²	DIN 53456 H135/30
Tensile strength	80	MPa	ASTM D 4745-79
Elongation at break	40	%	ASTM D 4745-79
Compressive strenght	110	MPa	DIN 53455
Coefficient of thermal expansion	8	1/Kx10-5	
Coefficient of friction	0,4	μ	
Min. service temperature	-40	°C	
Max. service temperature	+110	°C	