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Lun - Vie, 8am a 5pm  
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## PA6G 85 Shore D natural white

Homopolymere, based on caprolactam - Polyamide

Polyamide has great stiffness, hardness and high strength. It has excellent sliding properties and good temperature resistance.

### Mechanical, physical and thermal properties

Material code: 0701H

Properties	Condition	Standard	Unit	Unit
Color	natural white			
Hardness	23°C	ISO 868	Shore D	85 ± 3
Density	23°C	ISO 1183	g/cm³	1,31 kg/m³ 1130
Ball indentation hardness	23°C	ISO 2039 Part 1 (f:358)	MPa	165 psi 23930
Tensile strength	23°C	DIN 527	MPa	≥80 psi ≥11600
Elongation at break	23°C	DIN 527	%	≥40
Compression strength	23°C	DIN 53 455	MPa	Psi
Thermal conductivity	23°C	DIN 52 612	J x 10³ M x h x K	0,29
Coefficient of therm. Expansion	23°C-200°C		K⁻¹ x 10⁻⁵	8
Coefficient of friction*	23°C		μ	0,4
Minimum service temperature			°C	-40 °F -40
Maximum service temperature			°C	110 °F 230
Young's modulus	23°C	ISO 527	MPa	3000 Psi 435000

\*dynamic coefficient of friction, dry, steel, 16MnCr5: v= 0,6 m/s; p=0,05 MPa; t=5h

**Resistant to:** ketones and esters, solvents, fuels, lubricants, greases and natural oils, mineral oils and fats, alcohol, aliphatic and aromatic hydrocarbons

**Not resistant to:** strong acids and lyes