

POLIKES® (PA 6G) ROD AND SHEET

Chemical designation
Cast Poliamid (PA6 G)

Density
1,15 g/cm³

Features

- » high dimensional stabilisation
- » good impact resistance
- » easy to machine
- » low price

Applications

- » general applications
- » automotive applications
- » industrial applications
- » home applications
- » customary applications

Mechanical Properties	Units	Values	Test Methods
Tensile strenght	N/mm ²	50-70	ISO 527
Rupture resistance	N/mm ⁵	88-90	ISO 527
Elongation at rupture	%	10-40	ISO 527
Impact resistance	kJ/m ²	-	ISO 527
Elasticity module	N/mm ²	3900-4200	ISO 178
Ball notch 358/30	N/mm ²	110-160	ISO 2039-1

Thermal Properties	Units	Values	Test Methods
Melting temperature	°C	220	-
Service temperature	°C	100	ISO 75
Thermal Elongation	°C	8-9	ISO 75

Elektriksel Özellikleri	Birimler	Değerler	Test Metodu
Dielectric constant	kV/mm	80-100	ISO 243
Volumetric resistance	Oxcm	>10 ¹⁵	ISO 167
Surface resistance	Oxcn	>10 ¹²	ISO 167

Other properties	Units	Values	Test Methods
Corrosion (sand slurry test)	%	<650	-
Hardness	Shore D	85	-
Water absorption	%	<0,02	ISO 62

¹ The figures given for these properties are the most part derived from raw material supplier data and other publications

** Specified values are average values of tests processed in Polimersan laboratories. These are for information and not product guarantee values.

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