









Kormax Nylon PA6G (Nylon G)

Material Data Sheet

Kormax Nylon G is modified nylon that has the addition of oil to reduce friction, enhance its wear capabilities, and pressure velocity ratio. Kormax Nylon G has excellent impact strength, toughness wear resistance, and can stand sustained contact with a wide variety of chemicals. Kormax Nylon G has good load-bearing properties, low coefficient of friction and is self-lubricating. It is available in a wide range of sizes including rods, sheets, tubes, and can be easily machined.

	Max Continuous Operating Temperature	100°C		Density	1.14
	Tensile Strength	23 MPa		Outside in Sunlight	No
	Suitability for Food Contact	No		Moisture Absorption	5.3%
	Coefficient of Friction to Steel	Very good		Machinability	Moderate

Mechanical Properties

	Metric Values	Imperial Values
Tensile Strength at break	50 N/mm ²	7200 psi
Yield Strength	70 N/mm ²	10000 psi
Elongation at Yield	10%	10%
Rockwell hardness (dry)	M82 MPA	M82 MPA
Density	1,14 cm ³	

Thermal Properties

	Unit
Melting point	220 °C
Thermal conductivity	0, 28 W/(km)
Deformation at temperature HDT	90 °C

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