









## Kormax Nylon PA6MG (Nylon Max)

## Material Data Sheet

Kormax Nylon Max is a modified nylon that has embedded molybdenum lubricant which enhances the nylon's load-bearing and wear capabilities. Kormax Nylon Max has excellent impact strength, toughness, wear-resistance, and can stand sustained contact with a wide variety of chemicals. Kormax Nylon Max has a low coefficient of friction, is self-lubricating, and is a high-performing alternative to Kormax Nylon.

	<b>Max Continuous Operating Temperature</b>	<b>90°C</b>		<b>Density</b>	<b>1.14</b>
	<b>Tensile Strength</b>	<b>24 MPa</b>		<b>Outside in Sunlight</b>	<b>No</b>
	<b>Suitability for Food Contact</b>	<b>No</b>		<b>Moisture Absorption</b>	<b>6.5%</b>
	<b>Coefficient of Friction to Steel</b>	<b>Very good</b>		<b>Machinability</b>	<b>Moderate</b>

### Mechanical Properties

	Metric Values	Imperial Values
Tensile Strength at break	54 N/mm <sup>2</sup>	7800 psi
Yield Strength	80 N/mm <sup>2</sup>	12000 psi
Elongation at Yield	10%	10%
Rockwell hardness (dry)	M85 MPA	M85 MPA
Density	1,14 cm <sup>3</sup>	

### Thermal Properties

	Unit
Melting point	220 °C
Thermal conductivity	0, 25 W/(km)
Heat deflection temperature HDT	83 °C

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