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.

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

Mechanical Properties

	Metric Values	Imperial Values
Tensile Strength at break	54 N/mm2	7800 psi
Yield Strength	80 N/mm2	12000 psi
Elongation at Yield	10%	10%
Rockwell hardness (dry)	M85 MPA	M85 MPA
Density	1,14 cm^3	

Thermal Properties

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